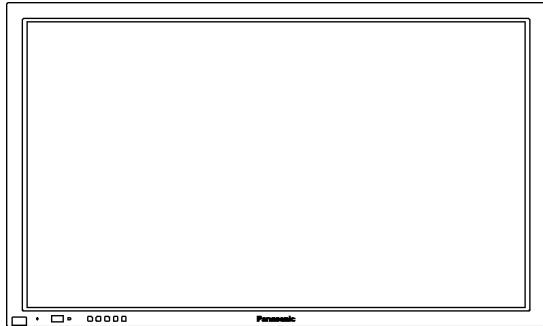


Service Manual

High Definition Plasma Display



TH-50PHW7BX
TH-50PHW7EX
TH-50PHD7EK
TH-50PHD7ES
TH-50PHD7BK
TH-50PHD7BS
TH-50PHD7UY

GPH7D2 Chassis

Specifications

Power Source:	AC120V 50/60Hz (UY version) AC220-240V 50/60Hz (Except UY version model)
Power Consumption:	480 W (UY version) 435 W (Except UY) Save off 0.8 W, Save on 0.5 W (stand-by condition) (UY version) Save off 1.0 W, Save on 0.7 W (stand-by condition) (Except UY version model) 0.1 W (Power off condition) (UY version model) 0.3 W (Power off condition) (Except UY version model)
Plasma Display panel:	Drive method AC type 16:9 aspect ratio
Contrast Ratio	3000:1
Screen size:	1,106 mm (W) x 622 mm (H) 1,269 mm (diagonal) No. of pixels 1,049,088 (1,366 (W) x 768 (H)) [4,098 x 768 dots]
Operating condition:	
Temperature	32 °F - 104 °F (0 °C - 40 °C)
Humidity	20 % - 80 %

Applicable signals

Colour System	NTSC, PAL, PAL60, SECAM, Modified NTSC
Scanning format	525 (480) / 60i • 60p, 625 (575) / 50i • 50p, 750 (720) / 60p • 50p, 1125 (1080) / 60i • 50i • 24p • 25p • 30p • 24sF ... SMPTE274M, 1250 (1080) / 50i
PC signals	XGA display VGA, SVGA, XGA, SXGA, UXGA ... (compressed) Horizontal scanning frequency 15 - 110 kHz Vertical scanning frequency 48 - 120 Hz

Connection terminals:

AV (UY version)

Video in/out	1.0 Vp-p (75-ohm)
S-VIDEO IN (MINI DIN 4PIN)	Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm)
AUDIO IN (RCA PIN JACK x 2)	0.5 Vrms (high impedance)

COMPONENT/RGB (UY version)

Y/G	1.0 Vp-p/composite (75-ohm)
P _B /B	0.7 Vp-p (75-ohm)
P _R /R	0.7 Vp-p (75-ohm)
HD	1.0 - 5.0 Vp-p (high impedance)
VD	1.0 - 5.0 Vp-p (high impedance)

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AUDIO IN (RCA PIN JACKx2)	0.5 Vrms (high impedance)	SERIAL	EXTERNAL CONTROL RS-232C COMPATIBLE
PC		TERMINAL (D-SUB9PIN)	
(HIGH-DENSITY D-SUB15PIN)	R,G,B/0.7 Vp-p (75-ohm)	SPEAKERS (External speakers) (6Ω)	16W [8W+8W] (10% THD)
	HD, VD/1.0 - 5.0 Vp-p (high impedance)	Dimensions (WxHxD):	1,210 mm × 724 mm 95 mm
AUDIO IN (M3 JACK)	0.5Vrms (high impedance)	Weight (Mass)	approx. 42.5 kg net (main unit only) approx. 47.1 kg net (with speakers)

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Applicable signals

VIDEO input [Applicable when Multi Screen and Digital Zoom]

	Signal name	Horizontal frequency(kHz)	Vertical frequency(Hz)
1	NTSC	15.73	59.94
2	PAL	15.63	50.00
3	PAL60	15.73	59.94
4	SECAM	15.63	50.00
5	Modified NTSC	15.73	59.94

Applicable input signals for PC Input (D-sub 15P) (* Mark)

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	COMPONENT	RGB	PC	When Multi Screen and Digital Zoom
1	525 (480) / 60i	15.73	59.94	*	*	*	*
2	525 (480) / 60p	31.47	59.94	*	*	*1	*
3	625 (575) / 50i	15.63	50.00	*	*	*	*
4	625 (575) / 50p	31.25	50.00	*	*	*	*
5	750 (720) / 60p	45.00	60.00	*	*	*	*
6	750 (720) / 50p	37.50	50.00	*	*	*	*
7	1,125 (1,080) / 60i	33.75	60.00	*	*	*	*
8	1,125 (1,080) / 50i	28.13	50.00	*	*	*	*
9	1,125 (1,080) / 24p	27.00	47.92	*	*	*	*
10	1,125 (1,080) / 24sF	33.75	30.00	*	*	*	*
11	1,125 (1,080) / 25p	28.13	25.00	*	*	*	*
12	1,125 (1,080) / 30p	27.00	24.00	*	*	*	*
13	1,250 (1,080) / 50i	31.25	50.00	*	*	*	*
14	640 × 400 @70 Hz	31.46	70.07	*	*	*	*
15	640 × 480 @60 Hz	31.47	59.94	*	*2	*	*
16	640 × 480 @72 Hz	37.86	72.81	*	*	*	*
17	640 × 480 @75 Hz	37.50	75.00	*	*	*	*
18	640 × 480 @85 Hz	43.27	85.01	*	*	*	*
19	852 × 480 @60 Hz	31.47	59.94	*	*2	*	*
20	800 × 600 @56 Hz	35.16	56.25	*	*	*	*
21	800 × 600 @60 Hz	37.88	60.32	*	*	*	*
22	800 × 600 @72 Hz	48.08	72.19	*	*	*	*
23	800 × 600 @75 Hz	46.88	75.00	*	*	*	*
24	800 × 600 @85 Hz	53.67	85.06	*	*	*	*
25	1,024 × 768 @60 Hz	48.36	60.00	*	*	*	*
26	1,024 × 768 @70 Hz	56.48	70.07	*	*	*	*
27	1,024 × 768 @75 Hz	60.02	75.03	*	*	*	*
28	1,024 × 768 @85 Hz	68.68	85.00	*	*	*	*
29	1,152 × 864 @75 Hz	67.50	75.00	*	*	*	*
30	1,280 × 960 @60 Hz	60.00	60.00	*	*	*	*
31	1,280 × 960 @85 Hz	85.94	85.00	*	*	*	*
32	1,280 × 1,024 @60 Hz	63.98	60.02	*	*	*	*
33	1,280 × 1,024 @75 Hz	79.98	75.03	*	*	*	*
34	1,280 × 1,024 @85 Hz	91.15	85.02	*	*	*	*
35	1,600 × 1,200 @60 Hz	75.00	60.00	*	*	*	*
36	1,600 × 1,200 @65 Hz	81.25	65.00	*	*	*	*
37	1,066 × 600 @60 Hz	37.88	60.32	*	*	*	*
38	1,366 × 768 @60 Hz	48.36	60.00	*	*	*	*
39	Macintosh13" (640 × 480)	35.00	66.67	*	*	*	*
40	Macintosh16" (832 × 624)	49.72	74.54	*	*	*	*
41	Macintosh21" (1,152 × 870)	68.68	75.06	*	*	*	*

*1: When selected the RGB format and 525p signal input to the D-sub terminal, it is recognized as VGA 60Hz signal.

*2: When inputted VGA 60Hz format signal from the other than D-sub terminal, it is recognized as 525p signal.

Note: Signals without above specification may not be displayed properly.

2 Safety Precautions

2.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1M\Omega$ and $5.2M\Omega$.
When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

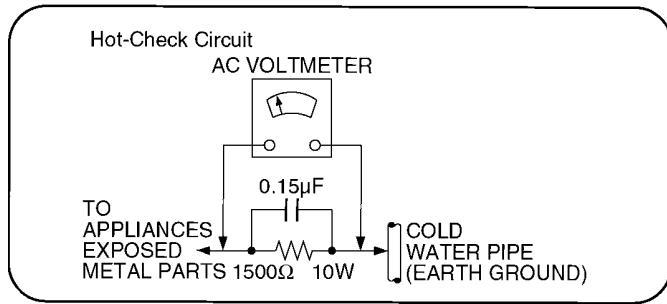


Figure 1

2.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a $1.5k\Omega$, 10 watts resistor, in parallel with a $0.15\mu F$ capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety.

These parts are marked by  in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4 About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

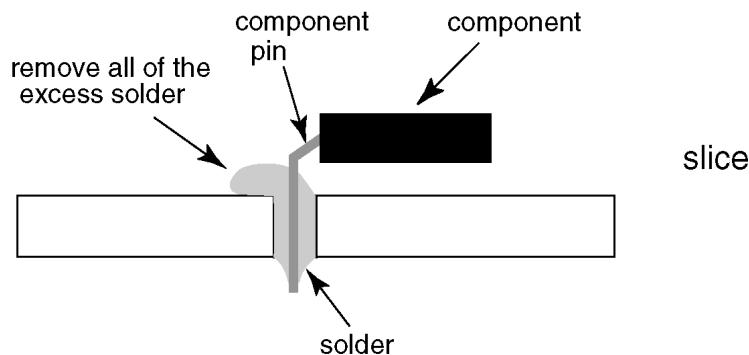
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol  stamped on the back of PCB.

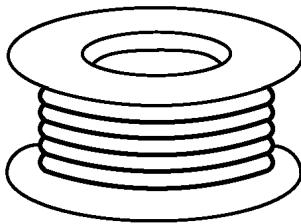
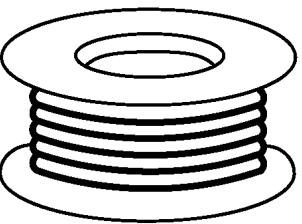
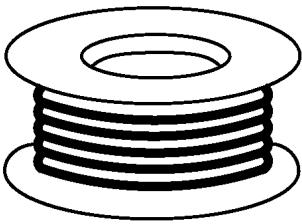
Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C). If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

5 PCB Structure sheet of GPH7D2 chassis

Board Name	Function	Remarks
D	Digital Signal Processor	1
J	Slot Interface & SYNC processor	1
Z	Audio out, DC-DC converter	
SS	Sustain Out	1
SC	Scan out	1
SU	Sustain connection (Upper)	1
SD	Sustain connection (Lower)	1
C1	Data Drive (Upper Right)	
C2	Data Drive (Upper Center)	
C3	Data Drive (Lower Left)	
C4	Data Drive (Lower Left)	
C5	Data Drive (Lower Center)	
C6	Data Drive (Lower Right)	
H3	Speaker terminal	
S1	Power switch	
SS2	Sustain connection (Upper)	
SS3	Sustain connection (Lower)	
V1	Front SW. & Remote receiver	
PF	Line filter	
P	Power supply	1
HX	PC_type_Input terminal	
HB	BNC Composite Video	2, 3
HA	BNC Component Video	2, 3

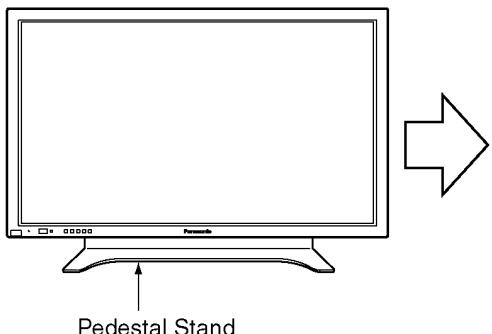
Remarks

1. Recommend PCB's for initial service for GPH7D2 chassis.
2. For System model except BX, EX version
3. For Consumer model except BX, EX version

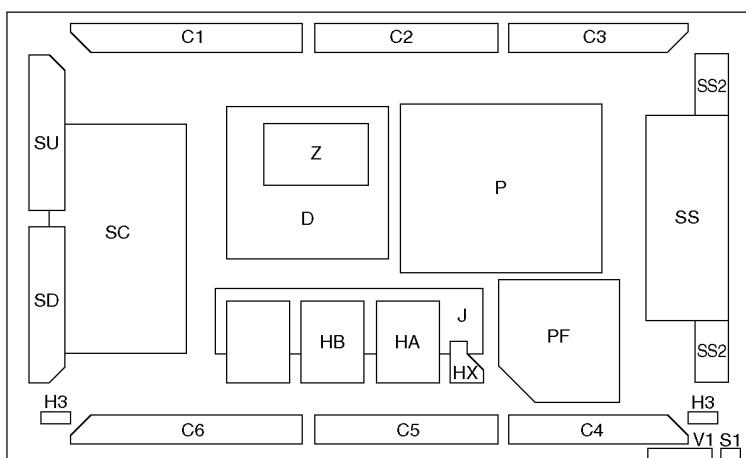
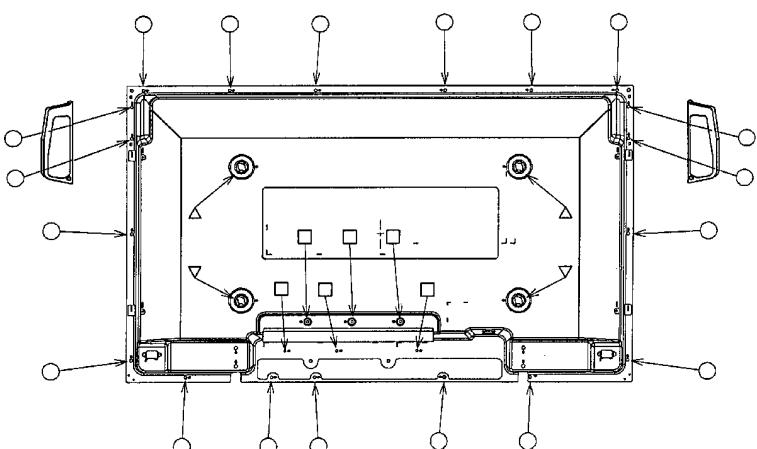
6 Service Hint

[How to set the plasma unit for servicing]

Place the plasma unit on the pedestal stand.
(Optional Accessory)



Remove the Back Cover



P.C. Boards Location

Service position for HB-Board, HA-Board and TY-42TM6

Note:

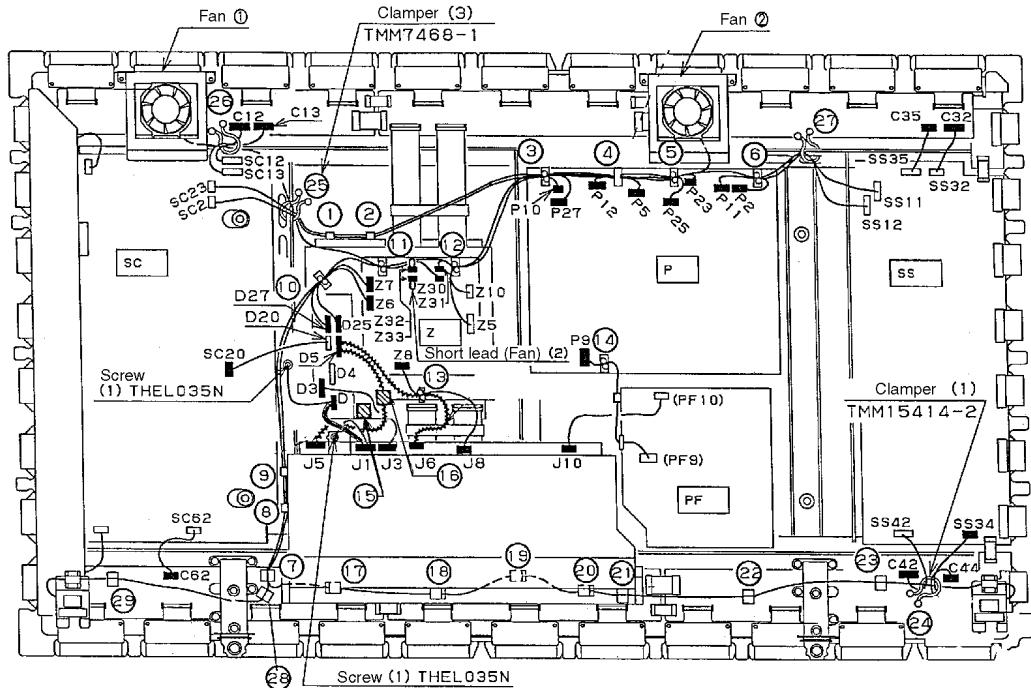
Extension cable kit for Slot Board is supplied as service fixtures and tools.

(Part No. TZSC07040)

Remove: 4 screws (Δ) XYN8+F20FZ
6 screws (\square) THEL023Z
19 screws (\circ) XYC4+FJ35FZ

Service Position

7 Location of Lead Wiring



CON:NO.	— CON:NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29					
SC2	— P2	<input type="checkbox"/>																			<input type="checkbox"/>														
SC23	— P23	<input type="checkbox"/>																		<input type="checkbox"/>															
SC20	— D20																																		
D27	— P27		<input type="checkbox"/>																																
D25	— P25		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																														
D3	— J3																																		
D5	— J5 — J6																	<input type="checkbox"/>																	
Z8	— J8																<input type="checkbox"/>																		
Z5	— P5		<input type="checkbox"/>	<input type="checkbox"/>														<input type="checkbox"/>																	
Z10	— P10		<input type="checkbox"/>														<input type="checkbox"/>	<input type="checkbox"/>																	
(SP (SC SIDE)	— Z7																<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									<input type="checkbox"/>	<input type="checkbox"/>					
(SP (SS SIDE)	— Z6																<input type="checkbox"/>																		
SS12	— P12		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																						<input type="checkbox"/>								
SS11	— P11								<input type="checkbox"/>																	<input type="checkbox"/>									
SS32	— C32																																		
SS35	— C35																																		
SS42	— C42																																		
POWER SW	— SS34																									<input type="checkbox"/>									
CONTROL BUTTON	— C44																							<input type="checkbox"/>											
PF9	— P9																	<input type="checkbox"/>																	
PF10	— J10																																		
FAN①	— Z31																<input type="checkbox"/>												<input type="checkbox"/>	<input type="checkbox"/>					
FAN②	— Z30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>													<input type="checkbox"/>																		
SC12	— C12																										<input type="checkbox"/>								
SC13	— C13																										<input type="checkbox"/>								
SC62	— C62																																		

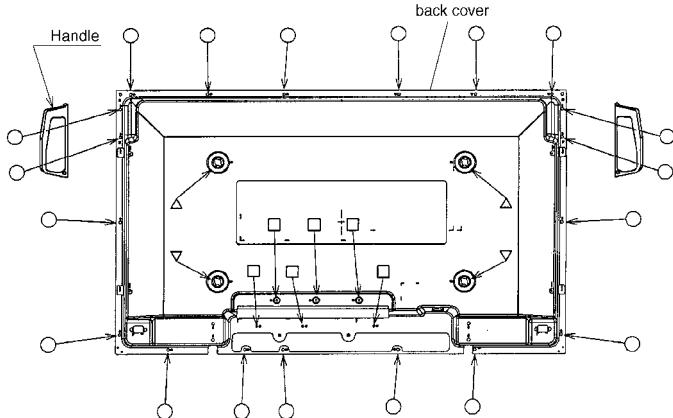
Connector Connection: P2, P5, P9, P10, P11, P12, P23, P25, P27, Z6, Z7, Z8, Z30, Z31, D1, D3, D5, D25, D27, J1, J3, J5, J6, J8, J10, SS20, SS34, C12, C13, C32, C35, C42, C44, C62

8 P.C.Board and Plasma panel replacement

Prior to the replacement, place the unit on the pedestal stand remove the front frame.

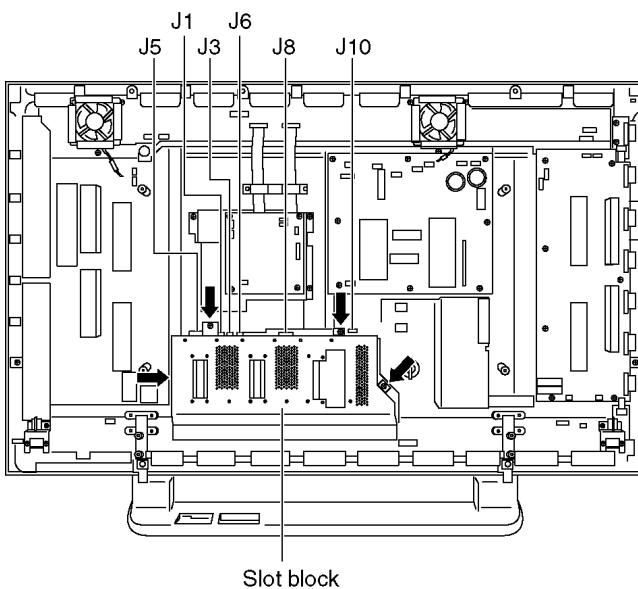
8.1. Removal of the back cover

a. Unscrew the screws ($\times 19 \circlearrowleft$, $\times 6 \square$, $\times 4 \triangle$) and remove the back cover.



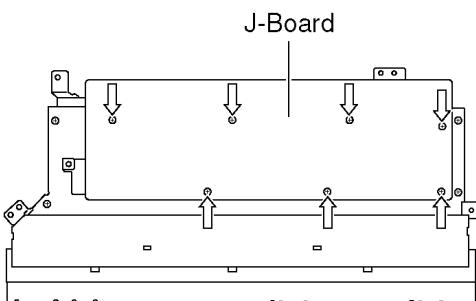
8.2. Removal of the Slot block

- Disconnect the couplers (J1, J3, J5, J6, J8, J10).
- Unscrew the screws ($\times 4$) and remove the slot block.



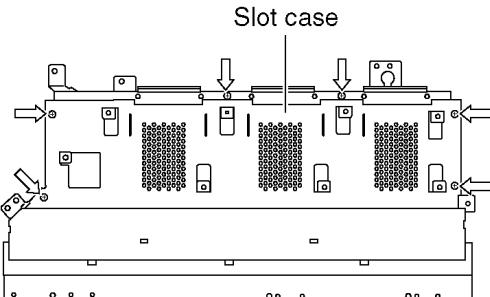
8.3. Removal of the J-Board

- Unscrew the screws ($\times 7$) and remote the J-Board.

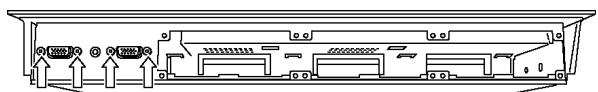


8.4. Removal of the HX-Board

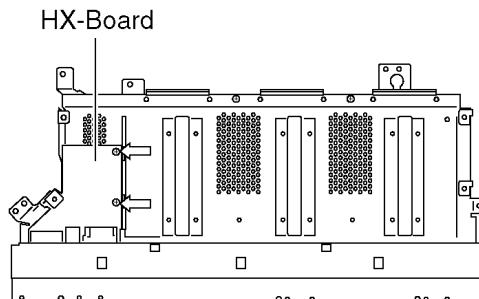
- Unscrew the screws ($\times 6$) and remove the slot case.



- Unscrew the screws ($\times 4$).



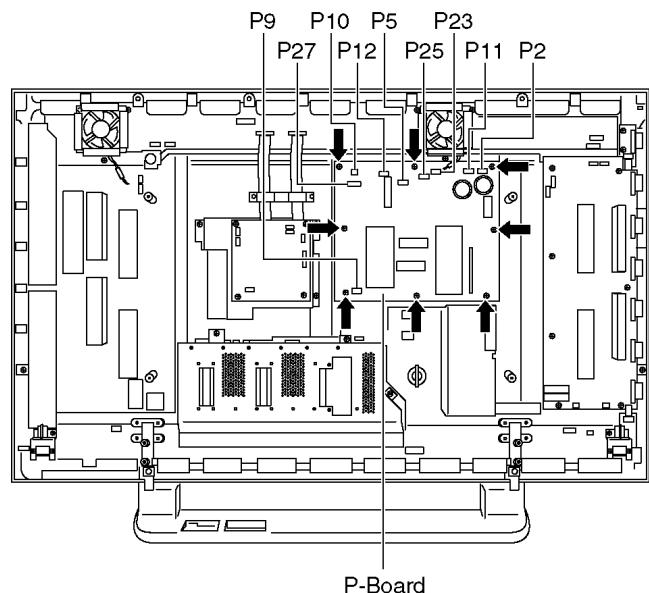
- Unscrew the screws ($\times 2$) and remove the HX-Board.



8.5. Removal of the P-Board

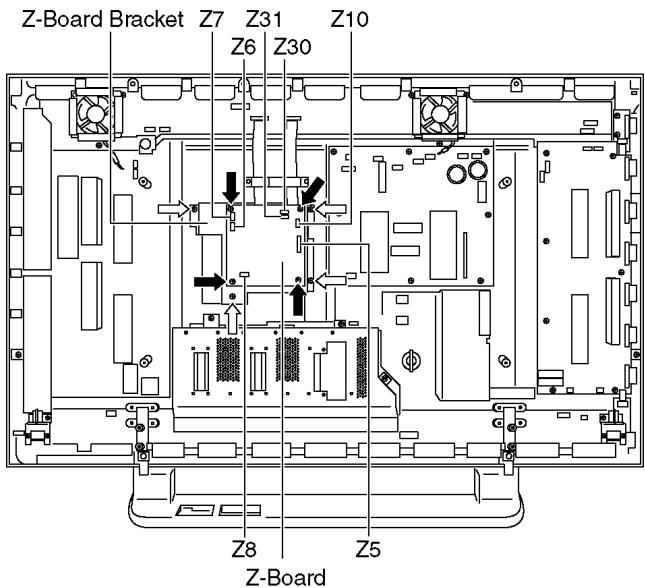
- Disconnect the couplers (P2, P5, P9, P10, P11, P12, P23, P25, P27).

- Unscrew the screws ($\times 8$) and remove the P-Board.



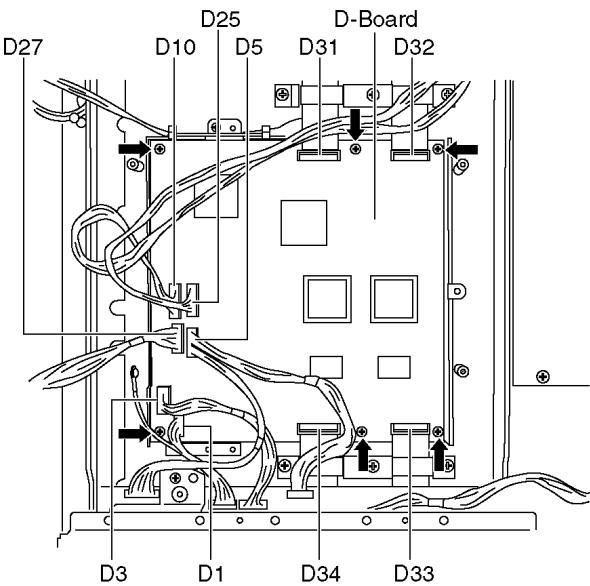
8.6. Removal of the Z-Board

- Disconnect the couplers (Z5, Z6, Z7, Z8, Z30, Z31).
- Unscrew the screws ($\times 4 \rightarrow$) and remove the Z-Board with the Z-Board Bracket.
- Unscrew the screws ($\times 4 \rightarrow$) and remove the Z-Board.



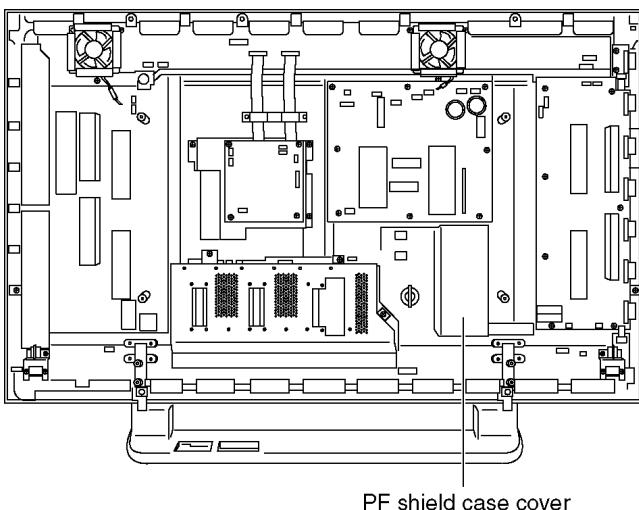
8.7. Removal of the D-Board

- Disconnect the couplers (D1, D3, D5, D10, D25, D27) and the flexible cables (D31, D32, D33, D34).
- Unscrew the screws ($\times 6$) and remove the D-Board.

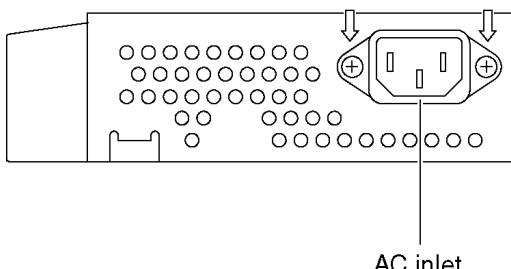


8.8. Removal of the PF-Board

- Remove the PF shield case cover and disconnect the coupler (PF1).

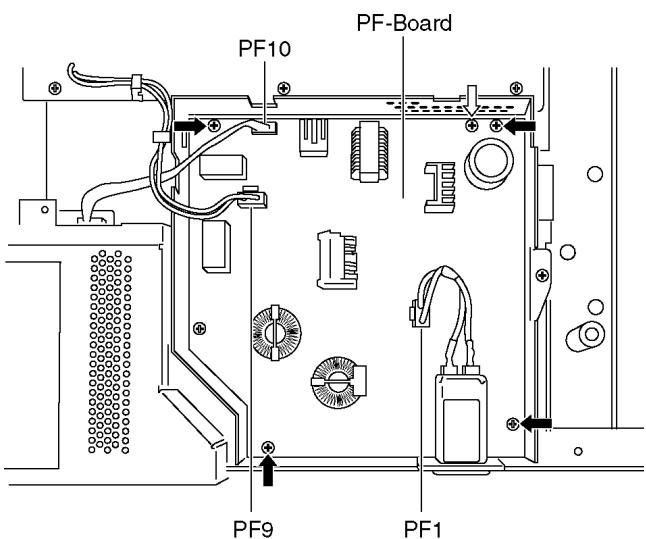


- Unscrew the screws ($\times 2$) and remove the AC inlet.



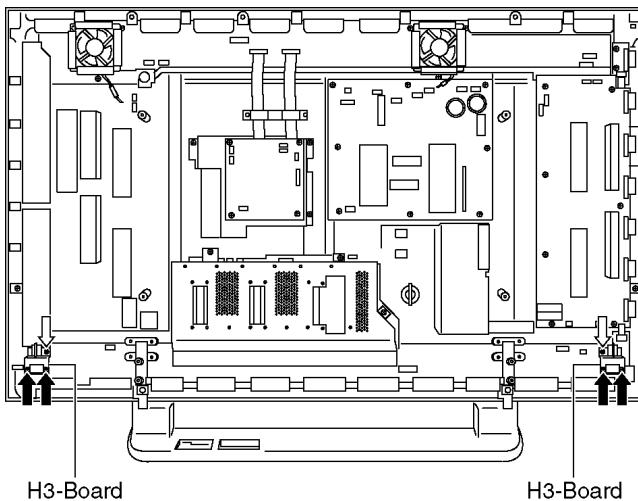
- Disconnect the couplers (PF9, PF10).

- Unscrew the screws ($\times 4$), and remove the PF-Board.



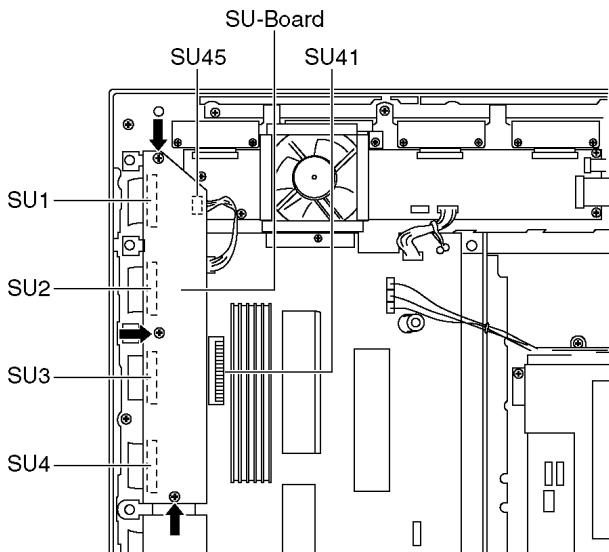
8.9. Removal of the H3-Board

- Unscrew the screws ($\times 2 \Rightarrow$), and remove the H3-Board with the Bracket.
- Unscrew the screws ($\times 4 \rightarrow$), and remove the H3-Board.



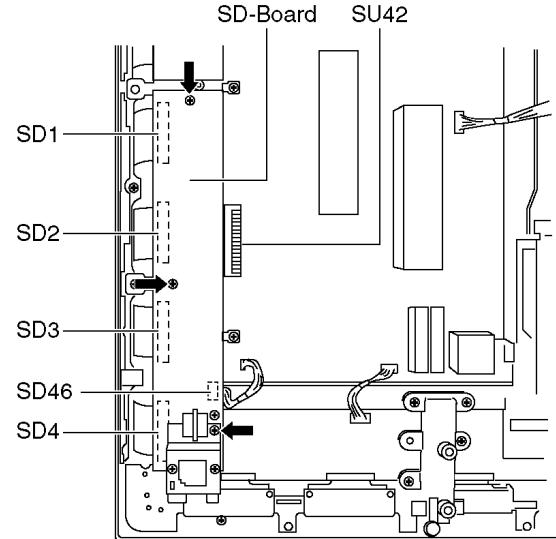
8.10. Removal of the SU-Board

- Unscrew the screws ($\times 3$).
- Slide the SU-Board to the left and disconnect from the couplers (SC41) on the SC-Board.
- Disconnect the coupler (SU45).
- Disconnect the flexible cables (SU1, SU2, SU3, SU4) connected to the SU-Board, and remove the SU-Board.



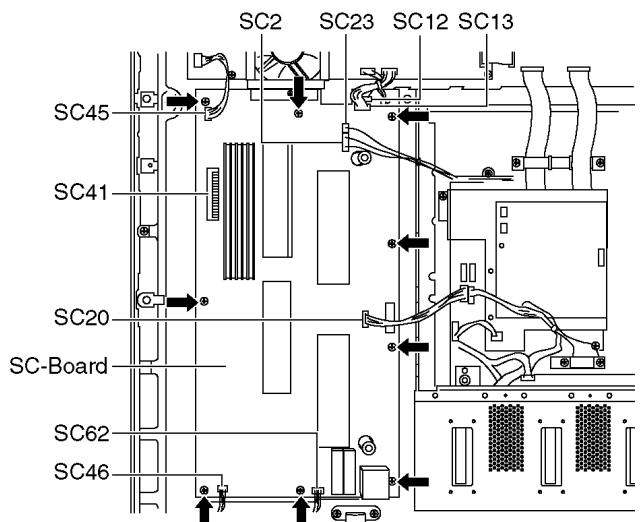
8.11. Removal of the SD-Board

- Unscrew the screws ($\times 3$).
- Slide the SD-Board to the left and disconnect from the couplers (SC42) on the SC-Board.
- Disconnect the coupler (SD46).
- Disconnect the flexible cables (SD1, SD2, SD3, SD4) connected to the SD-Board, and remove the SD-Board.



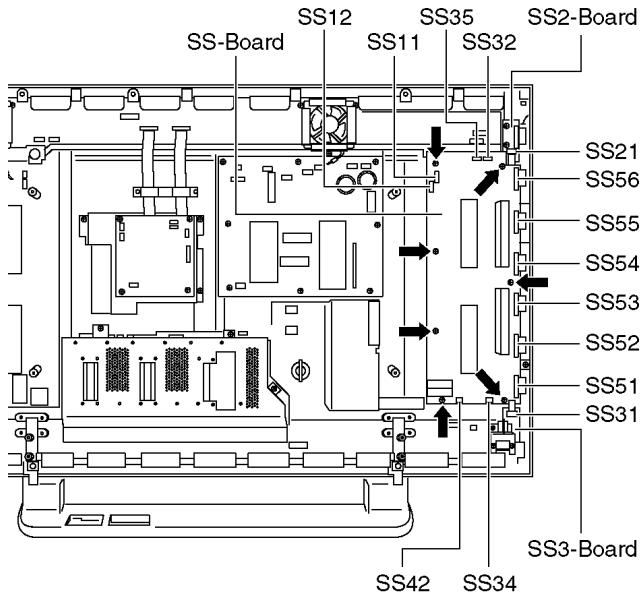
8.12. Removal of the SC-Board

- Disconnect the couplers (SC2, SC12, SC13, SC20, SC23, SC45, SC46, SC62).
- Unscrew the screws ($\times 9$) and remove the SC-Board.



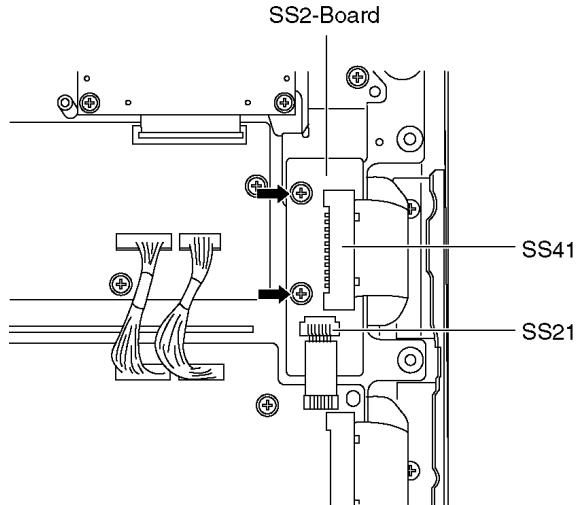
8.13. Removal of the SS-Board

- Disconnect the couplers (SS11, SS12, SS32, SS34, SS35, SS42).
- Disconnect the coupler (SS21) on SS2-Board.
- Disconnect the coupler (SS31) on SS3-Board.
- Disconnect the flexible cables (SS51, SS52, SS53, SS54, SS55, SS56).
- Unscrew the screws ($\times 7$), and remove the SS-Board.



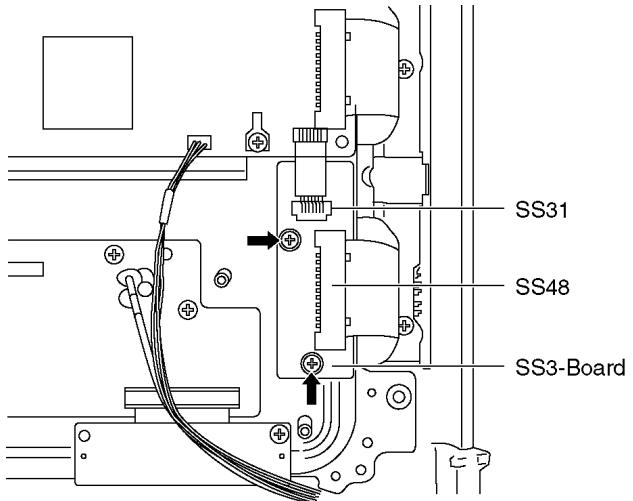
8.14. Removal of the SS2-Board

- Disconnect the couplers (SS21).
- Disconnect the flexible cable (SS41).
- Unscrew the screws ($\times 2$) and remove the SS2-Board.



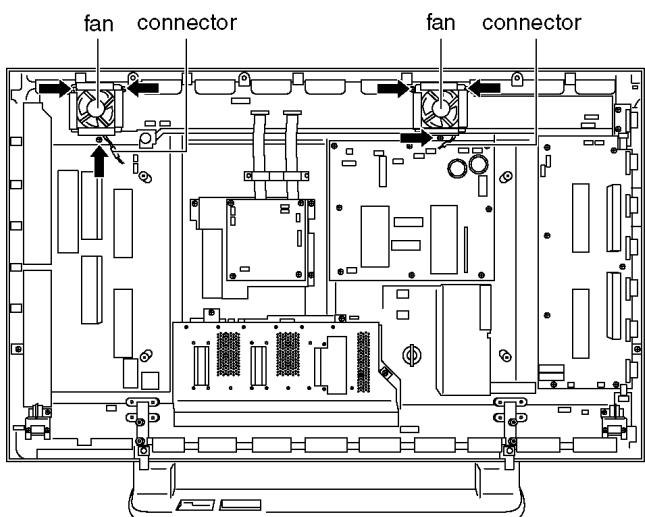
8.15. Removal of the SS3-Board

- Disconnect the couplers (SS31).
- Disconnect the flexible cable (SS48).
- Unscrew the screws ($\times 2$) and remove the SS3-Board.



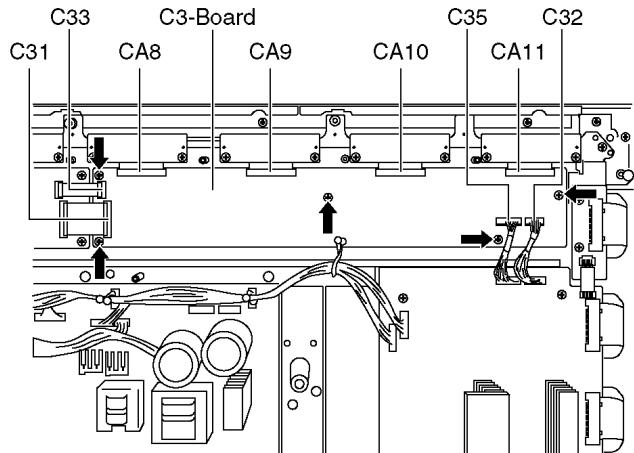
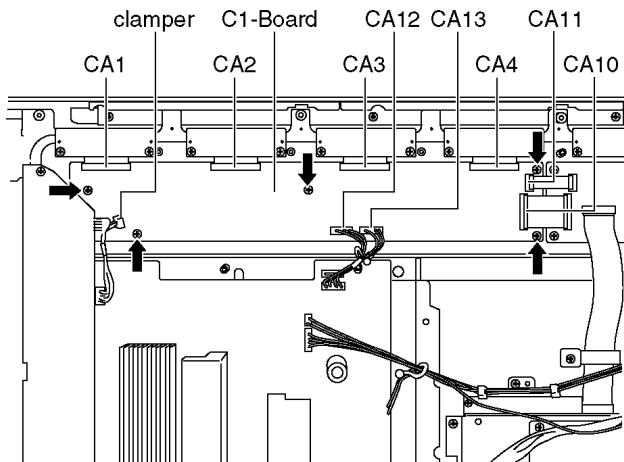
8.16. Removal of the fan

- Disconnect the fan cable connector.
- Unscrew the screws ($\times 3$) and remove the fan.



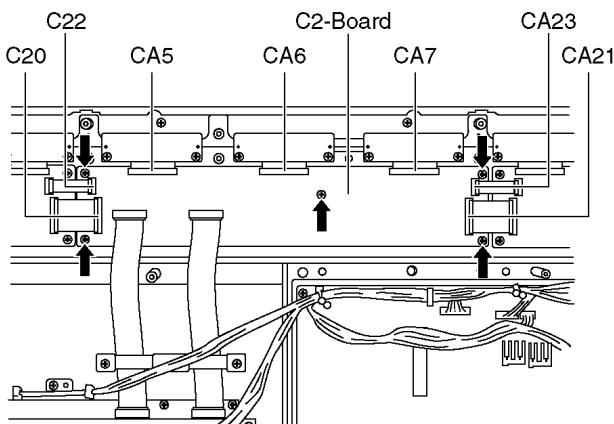
8.17. Removal of the C1-Board

- Disconnect the flexible cables (CA1, CA2, CA3, CA4, C10, C11).
- Disconnect the couplers (C12, C13) release the SC45-SU45 cable from the clamp on the C1-Board.
- Unscrew the screws ($\times 5$) and remove the C1-Board.



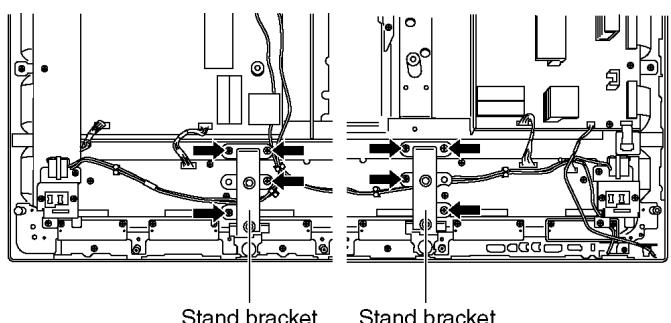
8.18. Removal of the C2-Board

- Disconnect the flexible cables (CA5, CA6, CA7, C20, C21, C22, C23, C24, C25).
- Unscrew the screws ($\times 5$) and remove the C2-Board.



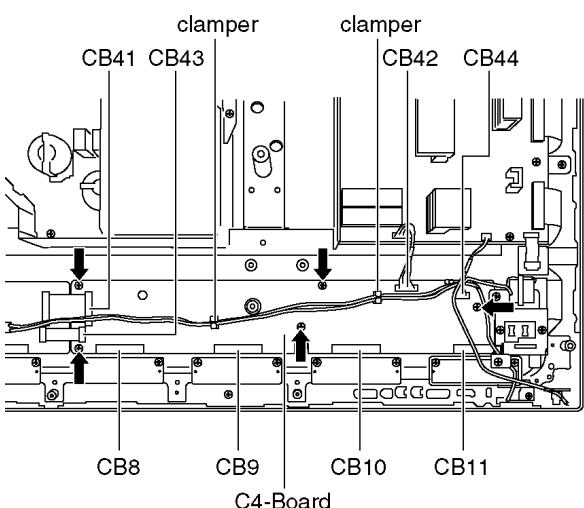
8.20. Removal of stand brackets

- Lay on a table (covered), with the plasma panel surface facing downward.
- Spread a soft cloth for protection, to prevent panel surface from scratching.
- Unscrew the stand bracket (left, right) fastening screws ($\times 4$ each) and remove the stand brackets (left, right).



8.21. Removal of the C4-Board

- Disconnect the cables (CB8, CB9, CB10, CB11, C41, C43).
- Disconnect the couplers (C42, C44) and release the speaker cables from the clamps ($\times 2$) on the C4-Board.
- Unscrew the screws ($\times 5$), and remove the C4-Board.

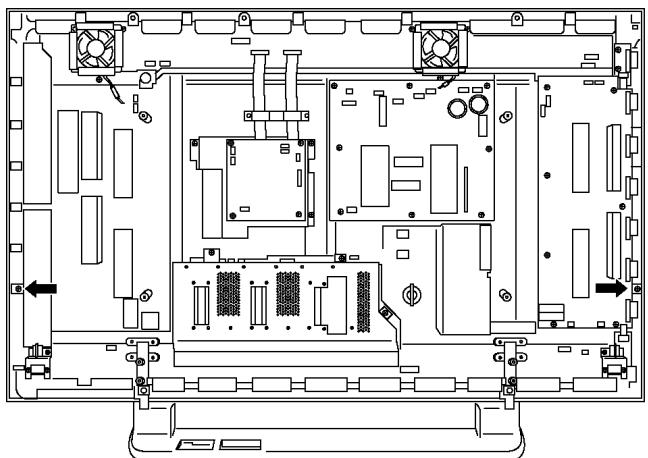
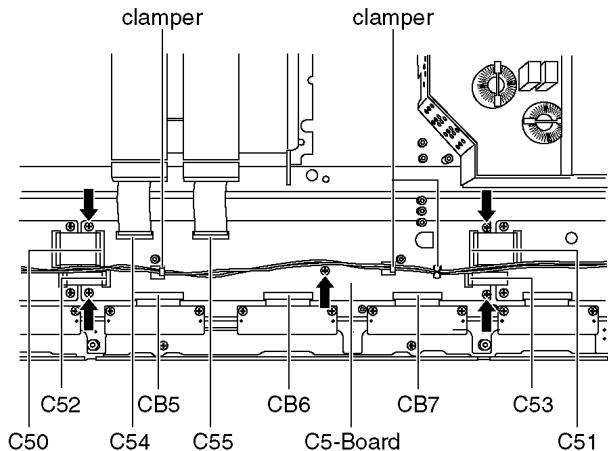


8.19. Removal of the C3-Board

- Disconnect the flexible cables (CA8, CA9, CA10, CA11, C31, C33).
- Disconnect the couplers (C32, C35).
- Unscrew the screws ($\times 5$) and remove the C3-Board.

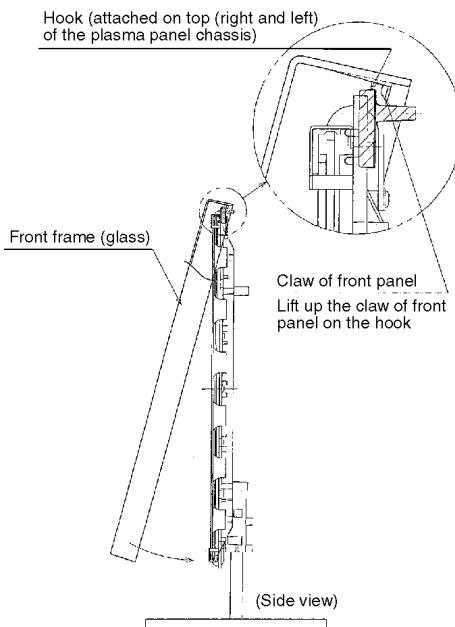
8.22. Removal of the C5-Board

- Disconnect the flexible cables (CB5, CB6, CB7, C50, C51, C52, C53, C54, C55).
- Release the speaker cable from the clamps (x3) on the C5-Board.
- Unscrew the screws (x5) and remove the C5-Board.



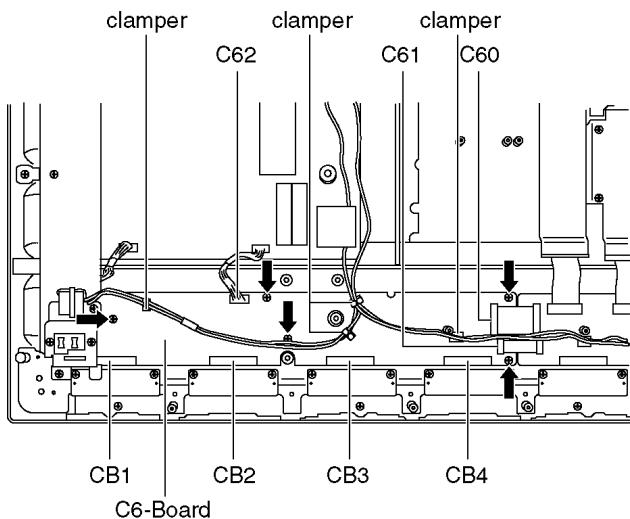
b. Release all cables from the clamp on the bracket of the front frame.

c. For leaving the plasma panel from the front frame, pull the bottom of the front frame to forward, lift, and remove.



8.23. Removal of the C6-Board

- Disconnect the flexible cables (CB1, CB2, CB3,CB4, C60,C61).
- Disconnect the coupler (C62) and release the speaker cables from the clamps (x4) on the C1-Board.
- Unscrew the screws (x5), and remove the C1-Board.



8.24. Removal of the Front frame (glass)

- Remove the screws (x2) fasten on the panel and remove the front panel.

8.25. Replacement of the plasma panel

- Place the new plasma panel (finished) on the flat surface of the table (covered by a soft cloth), with the plasma panel surface facing downward.
 - Fit the stand brackets (left, right.) fast 4 screws each on the new plasma panel.
 - Place the plasma panel section on the servicing stand.
 - Attach the front frame each P.C.Board and so on, to the new plasma panel.
- * When fitting the front frame, be careful not to allow any debris, dust or handling residues to remain between the front glass and plasma panel.

9 Adjustment Procedure

9.1. Driver Set-up

9.1.1. Item / Preparation

1. Input an APL 100 % white signal.

2. Set the picture controls: -

Picture mode: Normal

White balance: Cool

Aspect: 16:9

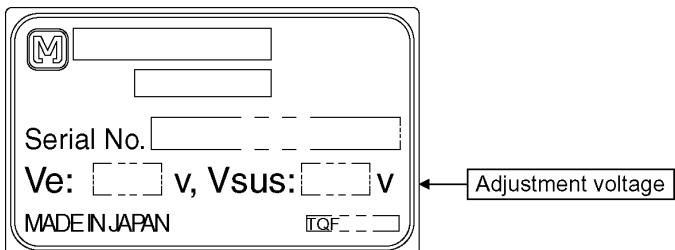
9.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS	173V ± 2V	R641 (P)	
Ve	TPVE	150V ± 1V	VR6070 (SS)	
Vda	TPVDA	75V ± 1V	R665 (P)	
Vad	TPVAD	-85V ± 1V	VR6477 (SC)	
Vscn	TPVSCN	Vad+ 120V ± 4V	---	
Vset	TPVSET	220V ± 7V	---	
PFC	C448 (+)(-)	395V ± 0.5V	R443 (P)	
Vdat	C560 (+)(-)	77V ± 0.1V	R661 (P)	load current : 0.4A
Vsus	TPVsus	163V ± 1V	R608 (P)	load current : 2.0A

*See the Panel label.

Panel Label information



9.2. Initialization Pulse Adjust

1. Input a Cross hatch signal.

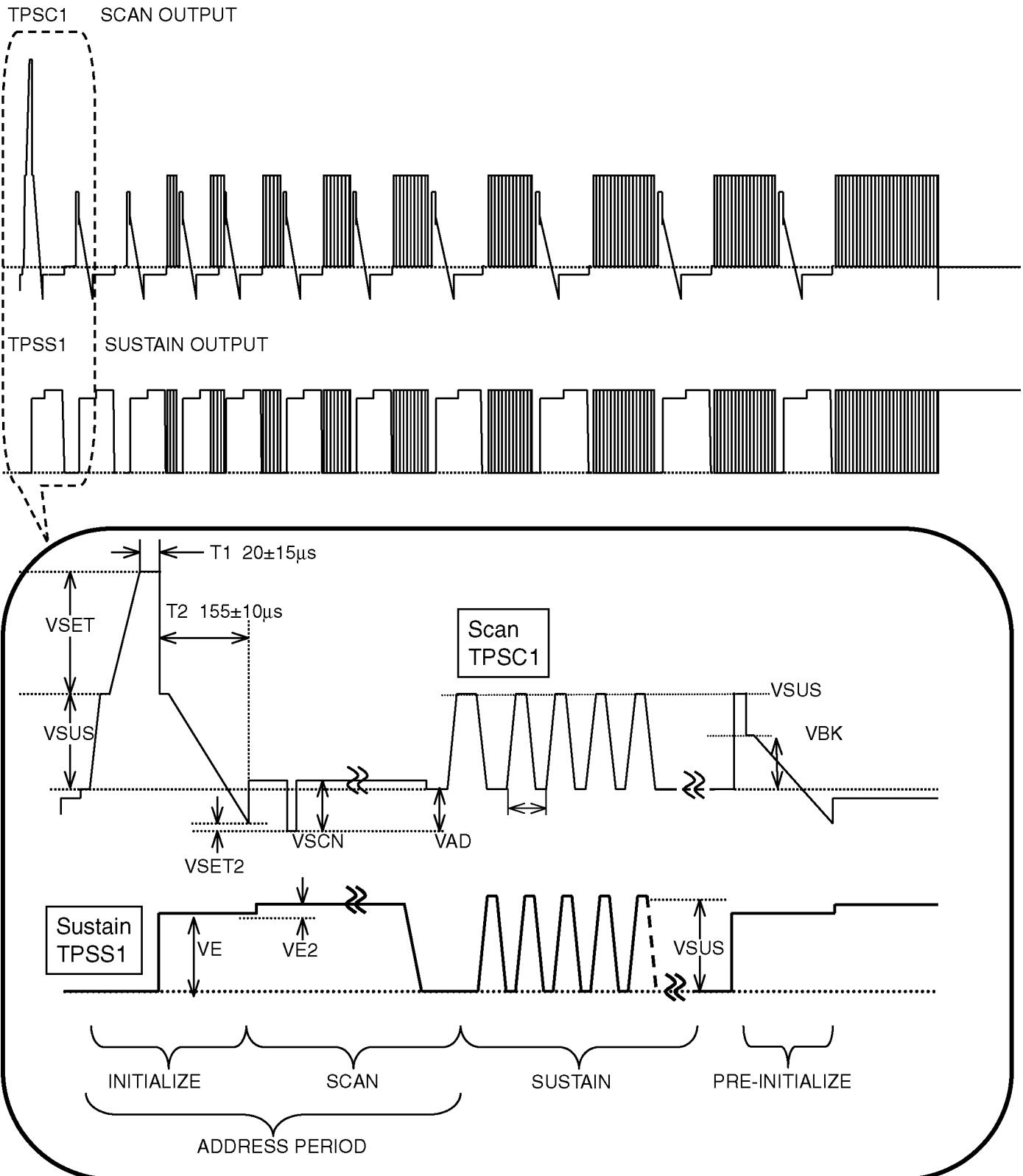
2. Set the picture controls: -

Picture mode: Normal

White balance: Cool

Adjust the indicated test point for the specified wave form.

	Test point	Volume	Level
T1	TPSC1 (SC)	---	$20 \pm 15\mu\text{ Sec}$
T2	TPSS1 (SS)	VR6557 (SC)	$155 \pm 10\mu\text{ Sec}$



9.3. P.C.B. (Printed Circuit Board) exchange

9.3.1. Caution

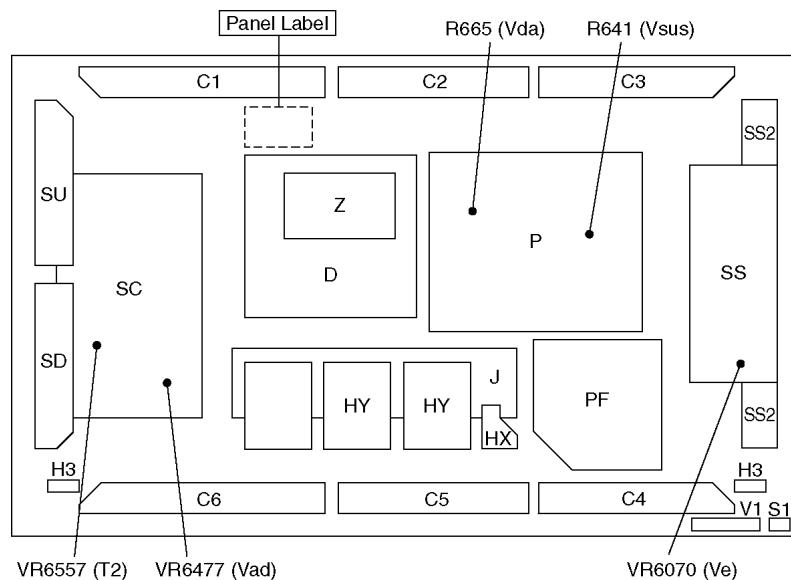
1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

9.3.2. Quick adjustment after P.C.B. exchange

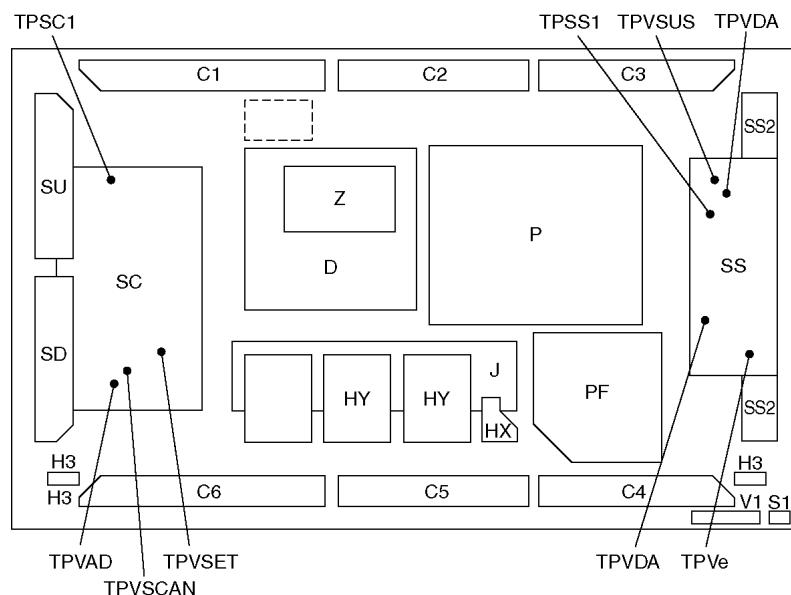
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
SS Board	Vsus	TPVSUS	173V ± 2V	R641 (P)	
	Ve	TPVE	150V ± 1V	VR6070 (SS)	
	Vda	TPVDA	75V ± 1V	R665 (P)	
SC Board	Vad	TPVAD	-85V ± 1V	VR6477 (SC)	
	Vscn	TPVSCAN	Vad+ 120V ± 4V	---	
	Vset	TPVSET	220V ± 7V	---	
D, J Board	White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				

*See the Panel label.

9.4. Adjustment Volume Location



9.5. Test Point Location



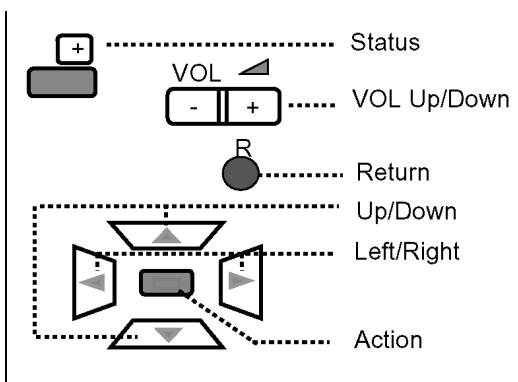
10 Service mode

10.1. CAT (computer Aided Test) mode

CAT mode menu

CAT Panel sys8.2		Mode	Function	Access button
IIC Mode	←	IIC	Service Alignment	Action
CD Mode	←	CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD Mode	←	SD(Status Display)	MTBF parameter	Action
MS Mode	←	MS Mode	Not use	----
ID Mode	←	ID	Not use	----

Remote control



How to access the CAT mode.

Press and hold the Volume down / - button on the front panel of the unit and press the status button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT mode.

To exit the **CAT mode**, access the **ID mode** and switch off the main power.

10.1.1. IIC mode

Select the IIC mode by **Up/Down button** on the remote control at the front page of CAT mode then press the **Action button** on the remote control.

OSD

PAL : JUST	Mid	Subject
Panel W/B Adj.	←	Item
R-Drive	←	
FC	FC	
↑	↑	New data
↑	↓	Original data

How to use the IIC mode.

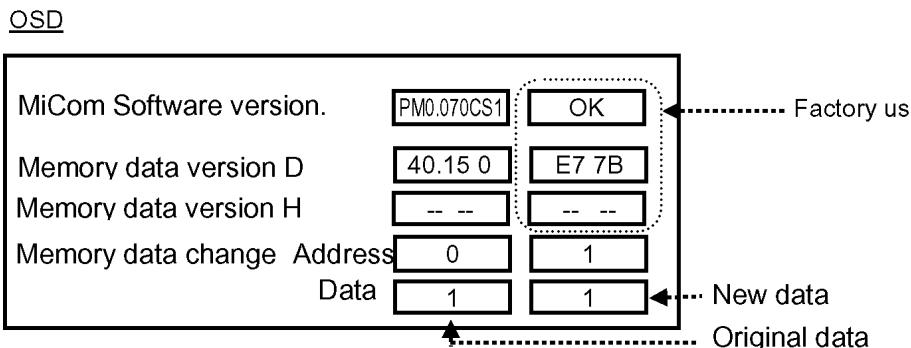
1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
2. Select the alignment **Item** by **Left/Right buttons** on the remote control.
3. Adjust **optimum setting** by **Volume Up/Down buttons** on the remote control.
4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on page 14.

To exit the IIC mode, press the **R button** on the remote control.

10.1.2. CD mode

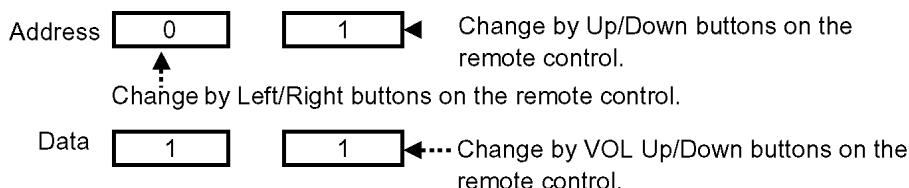
Select the CD mode by **Up/Down button** on the remote control at the front page of CAT mode then press the **Mute button** on the remote control more than 5 sec.



Micom software version (IC9705), this version can be upgrade by

1. replace of new version IC
2. Loading the new version software from loader tool, TZSC07036.

Memory data change

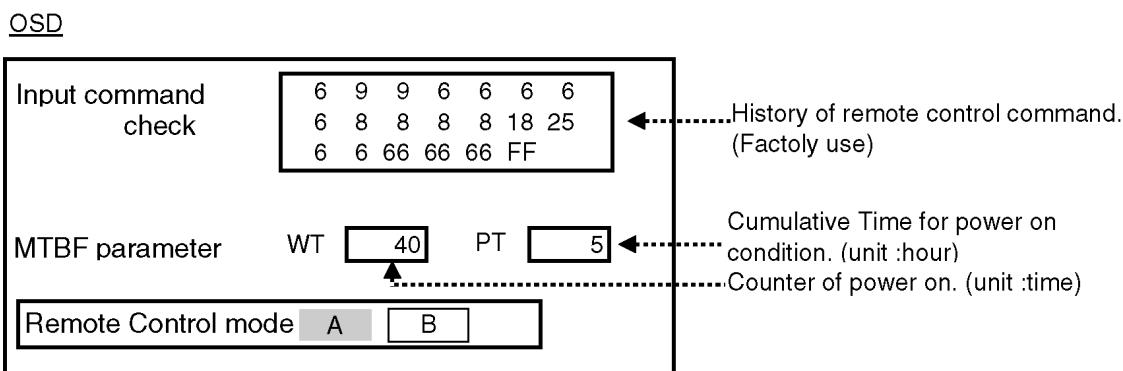


The data is memorized when switch off the main power.

To exit the CD mode, press the **R button** on the remote control.

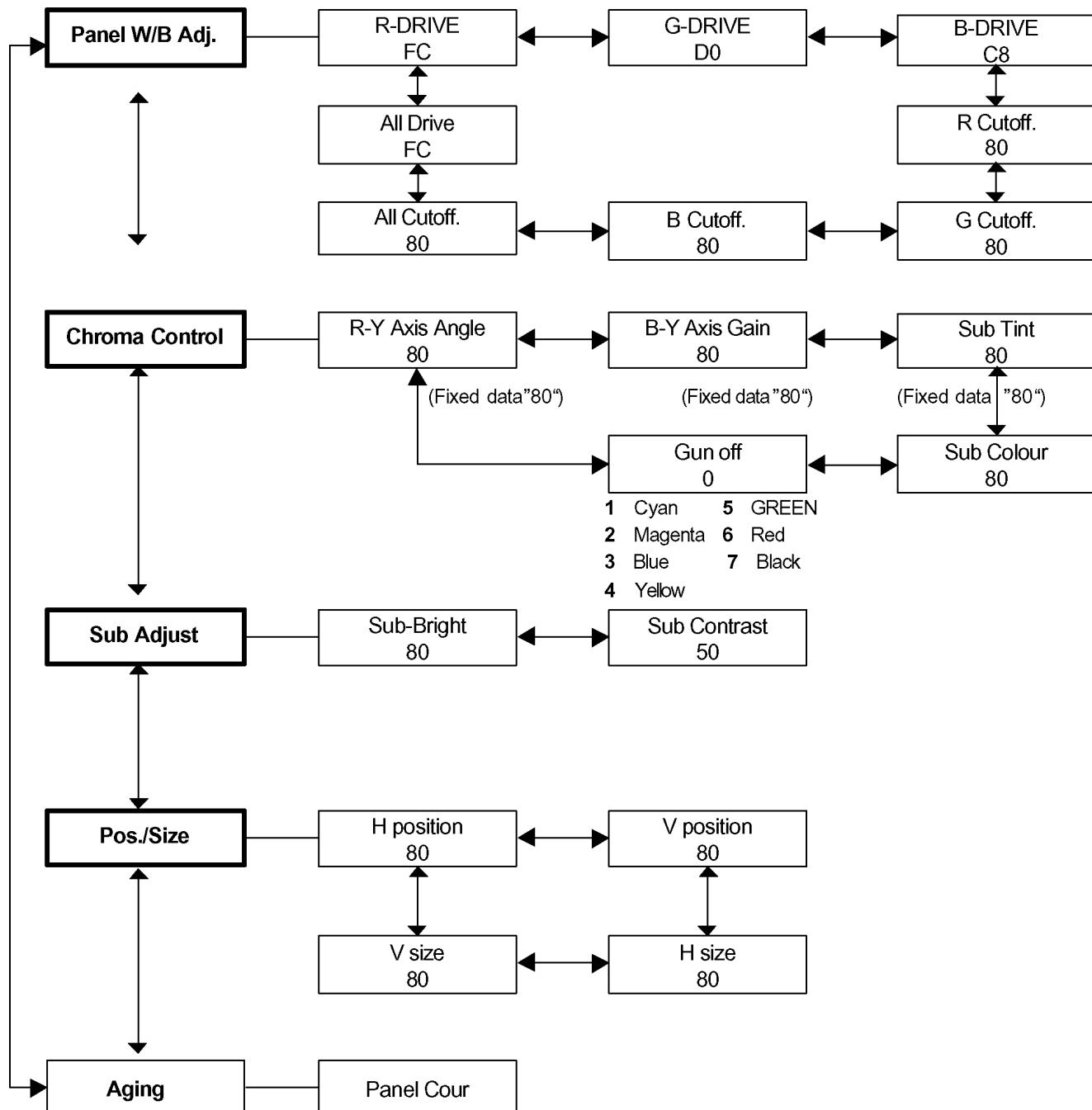
10.1.3. SD mode

Select the SD mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.



To exit the SD mode, press the **R button** on the remote control.

10.2. IIC mode structure (following items value is sample data.)



0 WHITE	3 BLUE	6 RAMP_W	9 RAMP_B
1 RED	4 SCROLL BAR	7 RAMP_R	
2 GREEN	5 WHITE*	8 RAMP_G	

These are selected by Action button of Remote.

*Automatically power off/on after few minutes later.

11 Alignment

11.1. PC/RGB panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	PC Gray Scale Pattern	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	<p>1) Set G cut off to " 80 ".</p> <p>2) Find 75% of white area by color sensor.</p> <p>3) Set G Drive to " E8 ".</p> <p>4) Adjust B and R Drive to set color temperature as shown Fig.-03.</p> <p>5) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".</p> <table border="1" data-bbox="912 977 1277 1100"> <tr> <th>Color Temp.</th> <th>x</th> <th>y</th> </tr> <tr> <td>Cool(Hi)</td> <td>0.276</td> <td>0.276</td> </tr> <tr> <td>Normal(Mid)</td> <td>0.288</td> <td>0.296</td> </tr> <tr> <td>Warm(Low)</td> <td>0.313</td> <td>0.329</td> </tr> </table> <p>Fig. -03</p>	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<p>1) Change white balance to "Normal".</p> <p>2) Repeat procedure 1) to 5) of Cool mode.</p>												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<p>1) Change white balance to "Warm".</p> <p>2) Repeat procedure 1) to 5) of Cool mode.</p>												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	<p>1) Change color templatue to "Cool".</p>												

	INPUT	Equipment	Setting	Alignment menu	Procedure																												
5	RGB Gray Scale Pattern		Picture: Normal Aspect: 16:9	White balance: Cool Normal Warm	<p>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</p> <table border="1"> <tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr> <tr><td>R Drive</td><td></td><td></td><td></td></tr> <tr><td>G Drive</td><td></td><td></td><td></td></tr> <tr><td>B Drive</td><td></td><td></td><td></td></tr> <tr><td>R Cut off</td><td></td><td></td><td></td></tr> <tr><td>G Cut off</td><td></td><td></td><td></td></tr> <tr><td>B Cut off</td><td></td><td></td><td></td></tr> </table> <p>2) Input RGB signal.</p> <p>3) Copy PC R,G,B drive and cut off data of each white balance mode to RGB position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
6	DVI Gray Scale Pattern		Picture: Normal Aspect: 16:9	White balance: Cool Normal Warm	<p>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</p> <table border="1"> <tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr> <tr><td>R Drive</td><td></td><td></td><td></td></tr> <tr><td>G Drive</td><td></td><td></td><td></td></tr> <tr><td>B Drive</td><td></td><td></td><td></td></tr> <tr><td>R Cut off</td><td></td><td></td><td></td></tr> <tr><td>G Cut off</td><td></td><td></td><td></td></tr> <tr><td>B Cut off</td><td></td><td></td><td></td></tr> </table> <p>2) Input NTSC signal.</p> <p>3) Copy PC R,G,B drive and cut off data of each white balance mode to DVI position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
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R Drive																																	
G Drive																																	
B Drive																																	
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G Cut off																																	
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	INPUT	Equipment	Setting	Alignment menu	Procedure																												
7	RGB Gray Scale Pattern		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<p>1) Write down each color temparature of R,G,B drive and Cut off data as follows.</p> <table border="1"> <thead> <tr> <th>White Balance</th> <th>Cool</th> <th>Normal</th> <th>Warm</th> </tr> </thead> <tbody> <tr> <td>R Drive</td> <td></td> <td></td> <td></td> </tr> <tr> <td>G Drive</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B Drive</td> <td></td> <td></td> <td></td> </tr> <tr> <td>R Cut off</td> <td></td> <td></td> <td></td> </tr> <tr> <td>G Cut off</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B Cut off</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>2) Input PAL signal.</p> <p>3) Copy PC R,G,B drive and cut off data of each white balance mode to RGB position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
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B Drive																																	
R Cut off																																	
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B Cut off																																	
8	DVI Gray Scale Pattern		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<p>1) Write down each color temparature of R,G,B drive and Cut off data as follows.</p> <table border="1"> <thead> <tr> <th>White Balance</th> <th>Cool</th> <th>Normal</th> <th>Warm</th> </tr> </thead> <tbody> <tr> <td>R Drive</td> <td></td> <td></td> <td></td> </tr> <tr> <td>G Drive</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B Drive</td> <td></td> <td></td> <td></td> </tr> <tr> <td>R Cut off</td> <td></td> <td></td> <td></td> </tr> <tr> <td>G Cut off</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B Cut off</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>2) Input DVI signal.</p> <p>3) Copy PC R,G,B drive and cut off data of each white balance mode to DVI position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	

11.2. HD/ 525i /525p /625i /625p panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	HD (720i or 1080i) Gray Scale Pattern	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	<p>1) Set G cut off to " 80 ".</p> <p>2) Find 75% of white area by color sensor.</p> <p>3) Set G Drive to " E8 ".</p> <p>4) Adjust B and R Drive to set color temperature as shown Fig.-04.</p> <p>5) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th>Color Temp.</th> <th>x</th> <th>y</th> </tr> <tr> <td>Cool(Hi)</td> <td>0.276</td> <td>0.276</td> </tr> <tr> <td>Normal(Mid)</td> <td>0.288</td> <td>0.296</td> </tr> <tr> <td>Warm(Low)</td> <td>0.313</td> <td>0.329</td> </tr> </table> <p style="text-align: center;">Fig. -04</p>	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<p>1) Change white balance to "Normal".</p> <p>2) Repeat procedure 1) to 5) of Cool mode.</p>												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<p>1) Change white balance to "Warm".</p> <p>2) Repeat procedure 1) to 5) of Cool mode.</p>												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	<p>1) Change color templature to "Cool".</p>												

	INPUT	Equipment	Setting	Alignment menu	Procedure																												
5	RGB Gray Scale Pattern		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<p>1) Write down each color temparature of R,G,B drive and Cut off data as follows.</p> <table border="1"> <tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr> <tr><td>R Drive</td><td></td><td></td><td></td></tr> <tr><td>G Drive</td><td></td><td></td><td></td></tr> <tr><td>B Drive</td><td></td><td></td><td></td></tr> <tr><td>R Cut off</td><td></td><td></td><td></td></tr> <tr><td>G Cut off</td><td></td><td></td><td></td></tr> <tr><td>B Cut off</td><td></td><td></td><td></td></tr> </table> <p>2) Change input signal to 525i and 525p.</p> <p>3) Copy HD drive and cut off data of each white balance mode to each signals position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
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6	RGB Gray Scale Pattern		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<p>1) Write down each color temparature of R,G,B drive and Cut off data as follows.</p> <table border="1"> <tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr> <tr><td>R Drive</td><td></td><td></td><td></td></tr> <tr><td>G Drive</td><td></td><td></td><td></td></tr> <tr><td>B Drive</td><td></td><td></td><td></td></tr> <tr><td>R Cut off</td><td></td><td></td><td></td></tr> <tr><td>G Cut off</td><td></td><td></td><td></td></tr> <tr><td>B Cut off</td><td></td><td></td><td></td></tr> </table> <p>2) Change input signal to 525p and 625i.</p> <p>3) Copy HD drive and cut off data of each white balance mode to each signals position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
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7	RGB Gray Scale Pattern		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<p>1) Write down each color temparature of R,G,B drive and Cut off data as follows.</p> <table border="1"> <tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr> <tr><td>R Drive</td><td></td><td></td><td></td></tr> <tr><td>G Drive</td><td></td><td></td><td></td></tr> <tr><td>B Drive</td><td></td><td></td><td></td></tr> <tr><td>R Cut off</td><td></td><td></td><td></td></tr> <tr><td>G Cut off</td><td></td><td></td><td></td></tr> <tr><td>B Cut off</td><td></td><td></td><td></td></tr> </table> <p>2) Change input signal to 625i and 625p.</p> <p>3) Copy HD drive and cut off data of each white balance mode to each signals position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
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R Cut off																																	
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B Cut off																																	

12 Trouble shooting guide

12.1. Self Check

1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.
2. To get into the Self-check mode, press the **volume down** button on the customer controls at the front of the set, at the same time pressing the **OFF-TIMER** button on the remote control, and the screen will show :-

If the CCU ports have been checked and found to be incorrect
Or not located then " - - " will appear in place of " OK "

ID	IIC1	IIC2	IIC3
D	IC9004 OK H90		
	IC9869 OK H61		
	IC9208 OK H62		
	IC9501 OK H53		
	IC9302 OK H55		
	IC9701 OK H56		
J/H	IC8181 OK H51		
	IC3003 OK H63		
	IC3004 OK H64		
	IC3005 OK H65		
	IC3006 OK H66		
Z	IC2401 OK H21		

12.2. No Power

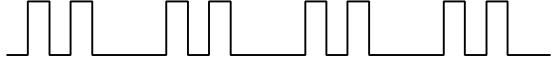
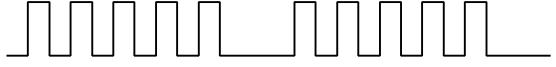
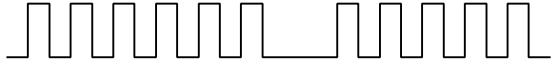
12.2.1. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

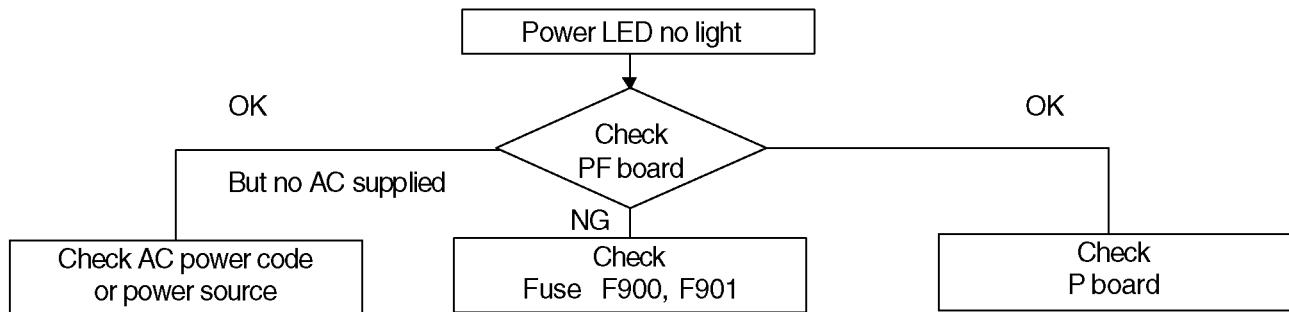
When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point
2		Data Driver
3		3.3V SOS
4		5V SOS
5		Power SOS
6		FAN
7		SCAN Driver
9		SUS Driver

3. Remarks

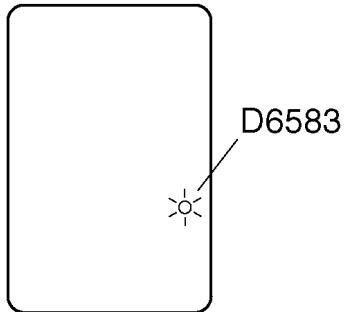
Above Fan function is operated during the fans are installed.

12.2.2. Power LED no light

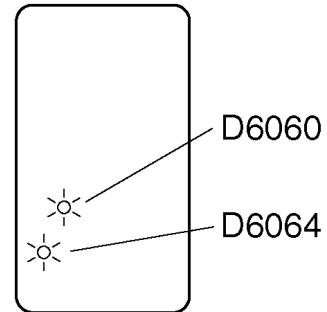


Drive circuits LED indicator

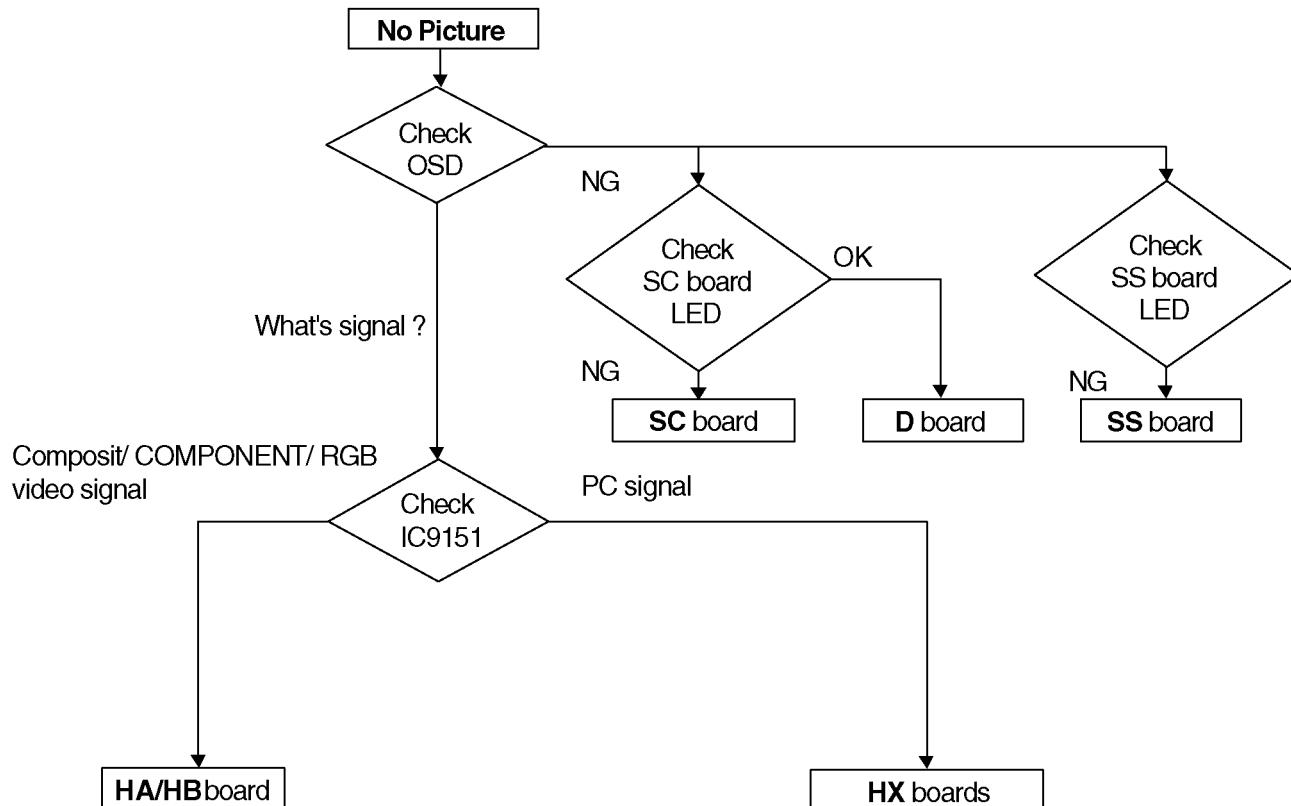
SC board



SS board

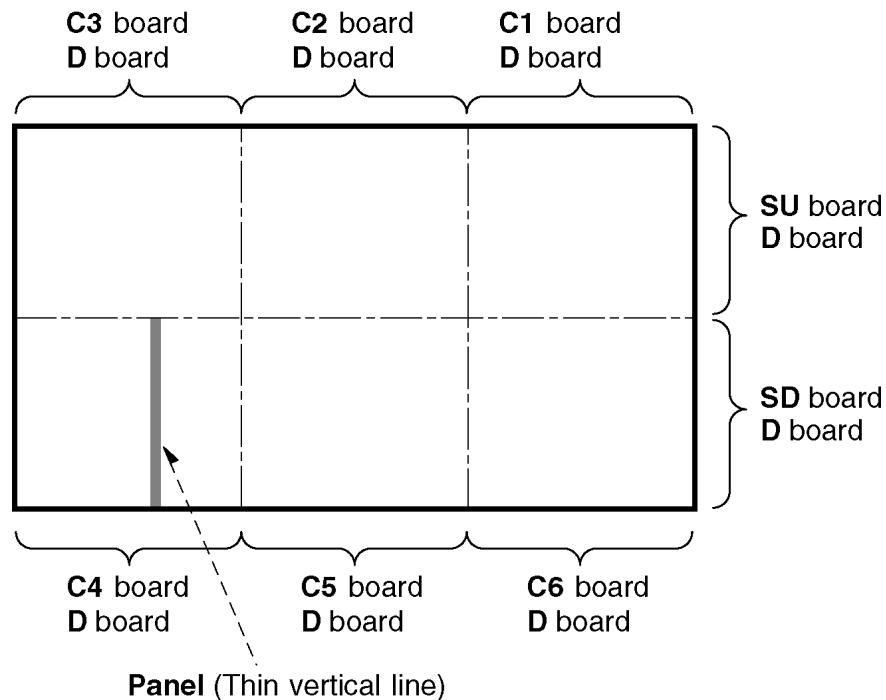


12.3. No Picture



12.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.



<Local screen failure chart>

Fig - 1

13 Option Setting

13.1. How to access and setting

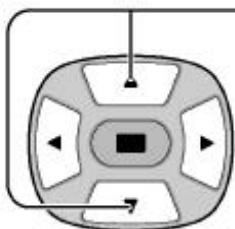
How to access the Option menu

1

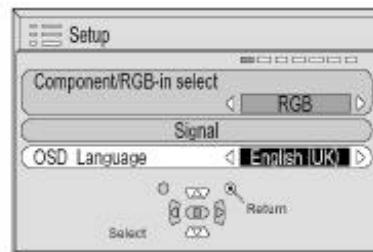


Press to display the Setup menu.

2



Press to select OSD Language.



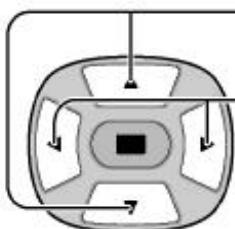
3



Press down for more than 3 seconds to display the Option menu.

Setting the Option menus

1



Press to select the desired item.

Press to select the desired function.

The option menu will disappear 60 seconds after operation.

2



Press to exit Option menu.

13.2. Contents of Open Menu

Hidden Option Menu for GPH7D2 series

GPH7D2 chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage. The end user could not set or change these because of hidden On screen menu.

Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
On Screen display	On	Enable/Disable to display input mode indication after power on and no signal indication.
Initial INPUT	Off	Sets the initial input mode when the power is turned on . Allow input mode selection while power is on.
Initial VOL. level	Off	Sets the initial volume level when the power is turned on. Allow Volume control while power is on.
Maximum VOL. Level	Off	Sets the maximum volume to desired level. Volume cannot exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or PC. Can not change input mode by input selection key.
Button lock	Off	Enable/Disable front operation buttons (Input and/or volume up/down)
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Remocon User Level	Off	Remote key invalidation. Off : Valid key is all key of remote. User1 : Valid key are only Stand-by (ON/OFF), Input, Status, Surround, Sound mute On/Off, and volume adjustment. User2 : Valid key is only Stand-by (ON/OFF). User3 : All keys are null and void
ID Select	0 to 100	Set ID number from 001 to 100.
Remote ID	Off	Remote ID function On/Off. (While the Remote ID on, standard remote function can not control the unit.)
Serial ID	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode the power is turned on. Allow Optional Terminal Board insert Slots while power is on.
V. Installation	Off	V. Installation function On/Off (Not used)

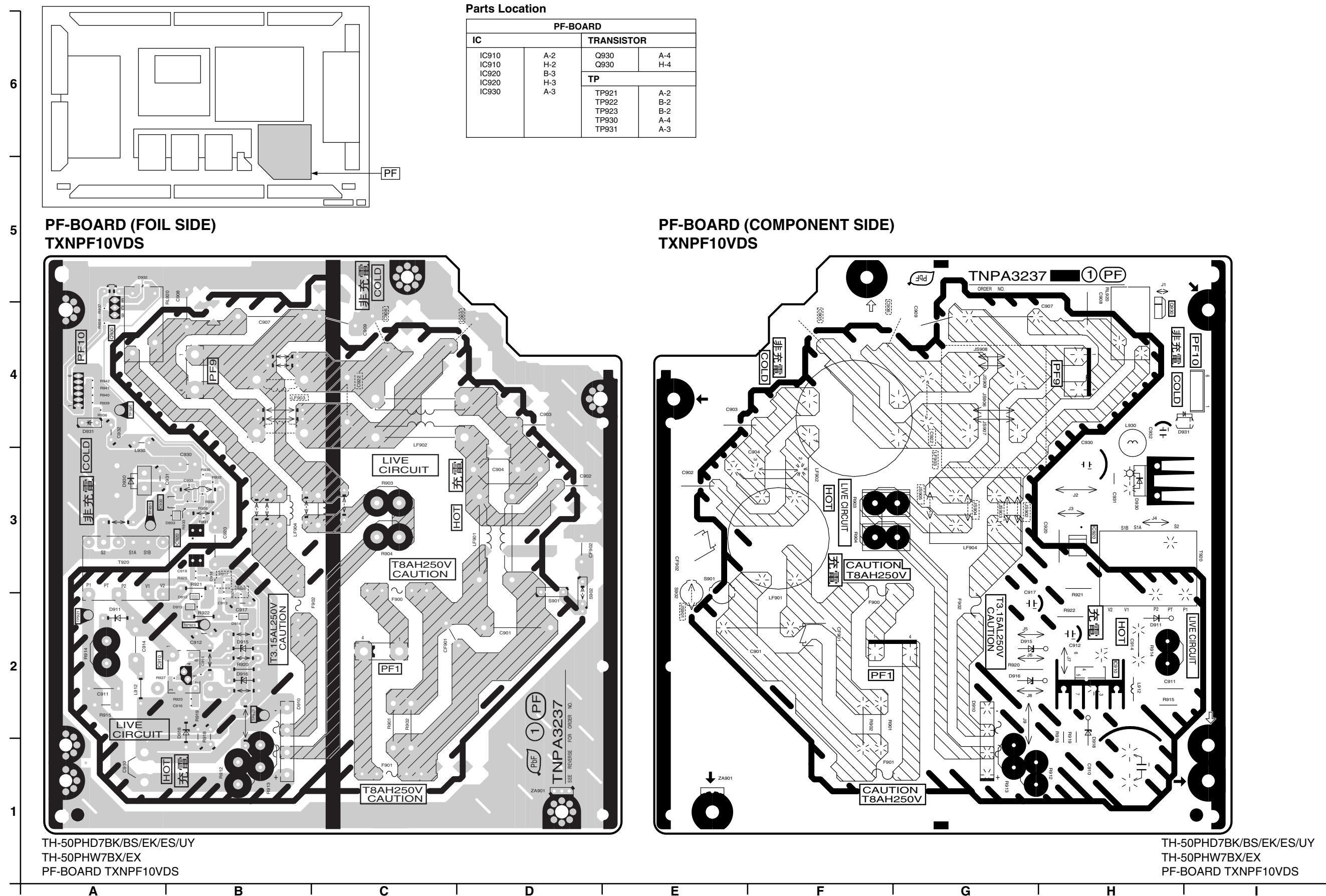
Note :

How to set Remocon User Level and Remote ID off

1. Access service mode (CAT-mode) and press SET UP key on remote.
2. Accsess Hidden option menu.
3. Change Remocon User Level and/ or Remote ID set to Off.

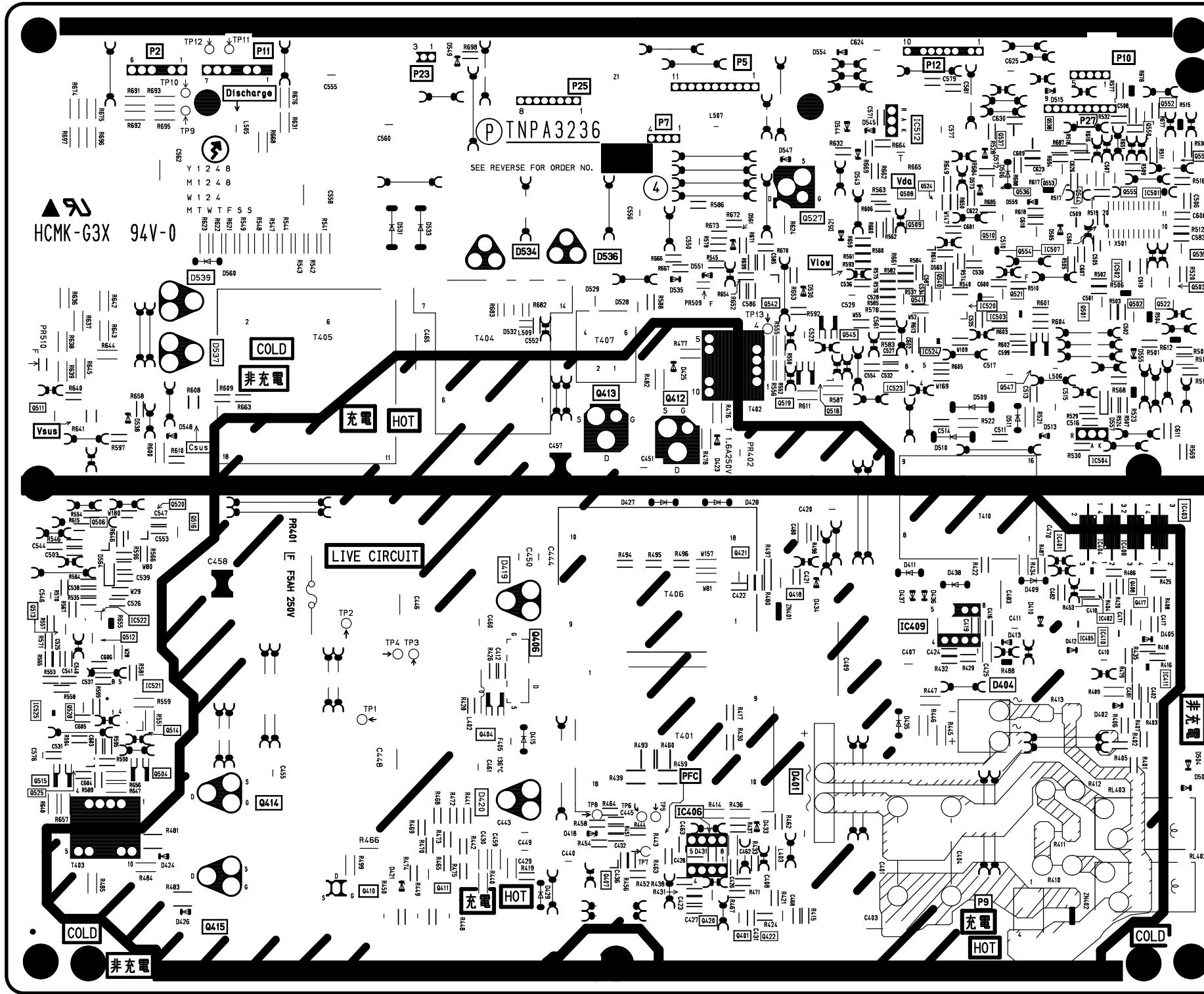
14 Circuit Board Layout

14.1. PF-Board



14.2. P-Board

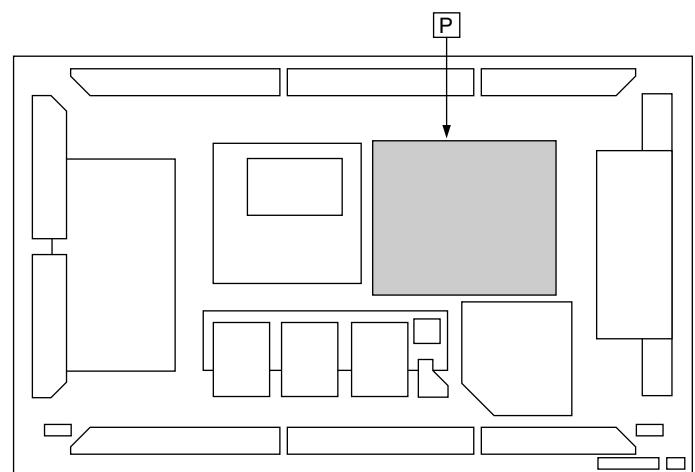
P-BOARD (FOIL SIDE)
TNPA3236AB



TH-50PHW7BX/EX
TH-50PHD7BK/BS/BX/EK/ES/EX/UY
P-BOARD TNPA3236AB

TH-50PHW7BX/EX
TH-50PHD7BK/BS/BX/EK/ES/EX/UY
P-BOARD TNPA3236AB

A | B | C | D | E | F | G | H | I

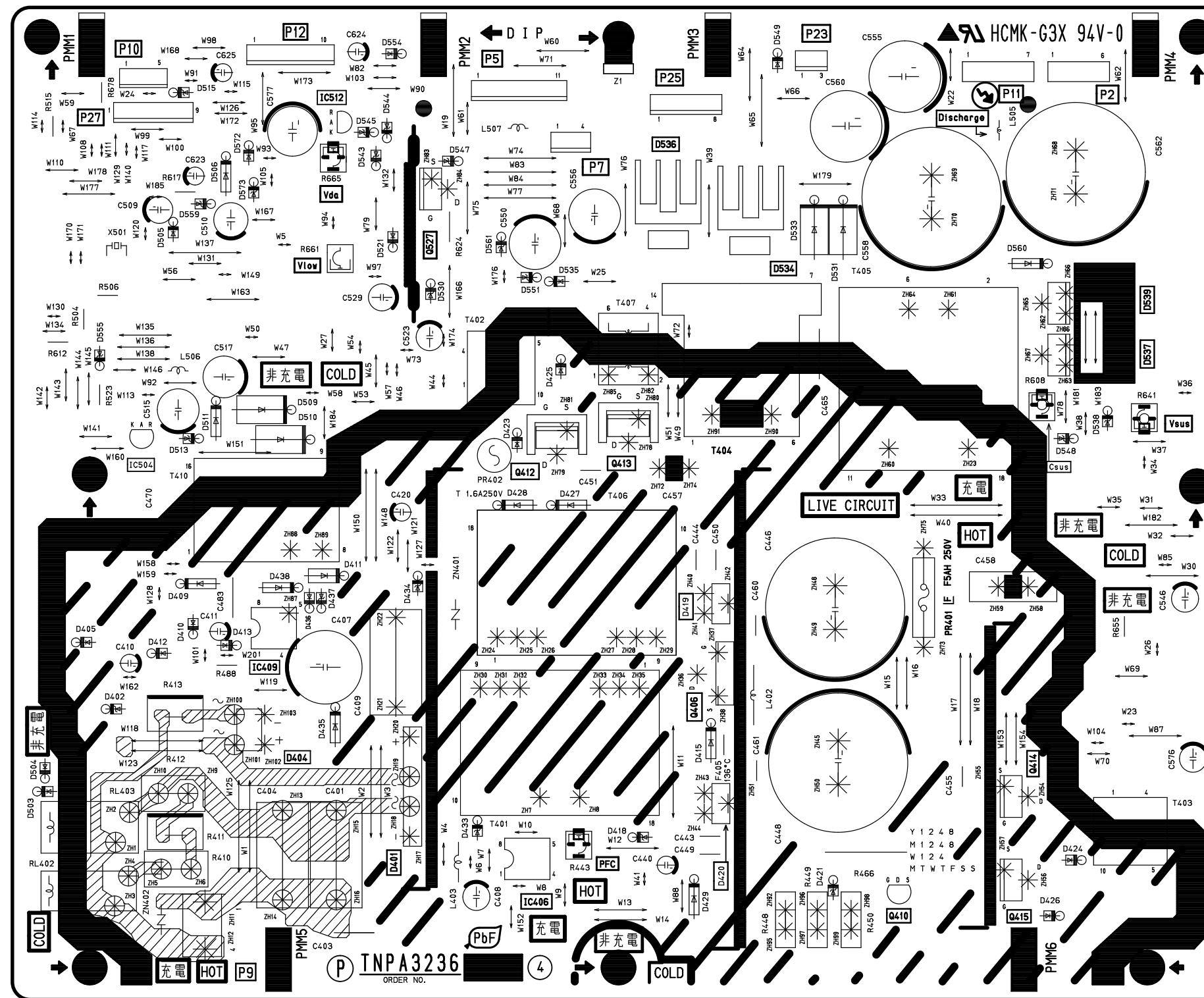
**Parts Location**

P-BOARD (FOIL SIDE)						
IC	TRANSISTOR	Q515	B-2	TP		
IC401	G-3	Q401	E-1	Q516	C-3	TP1
IC402	G-3	Q404	D-2	Q518	F-4	TP2
IC403	H-3	Q406	D-3	Q519	F-4	TP3
IC404	G-3	Q407	E-2	Q520	C-3	TP4
IC405	G-3	Q408	G-3	Q521	G-4	TP5
IC406	E-2	Q410	D-1	Q522	H-4	TP6
IC408	G-3	Q411	D-1	Q524	F-5	TP7
IC409	F-3	Q412	E-4	Q525	B-2	TP8
IC410	G-3	Q413	E-4	Q527	F-5	TP9
IC411	H-3	Q414	C-2	Q528	B-2	TP10
IC501	H-5	Q415	C-1	Q535	H-5	TP11
IC502	G-5	Q417	G-3	Q536	G-5	TP12
IC503	G-4	Q418	F-3	Q537	G-5	
IC504	G-4	Q420	E-1	Q538	G-5	
IC507	G-5	Q421	E-3	Q540	F-5	
IC512	F-5	Q422	F-1	Q541	F-4	
IC520	G-4	Q501	G-4	Q542	F-4	
IC521	B-3	Q502	G-4	Q544	G-5	
IC522	B-3	Q503	H-5	Q545	F-4	
IC523	F-4	Q504	C-2	Q547	G-4	
IC524	F-4	Q506	B-3	Q550	H-5	
IC525	B-2	Q508	F-5	Q551	H-5	
		Q509	F-5	Q552	H-5	
		Q510	G-5	Q553	G-5	
		Q511	B-4	Q554	G-5	
		Q512	B-3	Q555	G-5	
		Q513	B-3			
		Q514	C-2			

Parts Location

P-BOARD (COMPONENT SIDE)			
IC	TRANSISTOR	Q406	E-2
IC406	D-1	Q406	E-2
IC409	C-3	Q410	F-1
IC504	B-4	Q412	D-4
IC512	C-5	Q413	E-4
		Q414	G-2
		Q415	G-1
		Q527	D-5

**P-BOARD (COMPONENT SIDE)
TNPA3236AB**

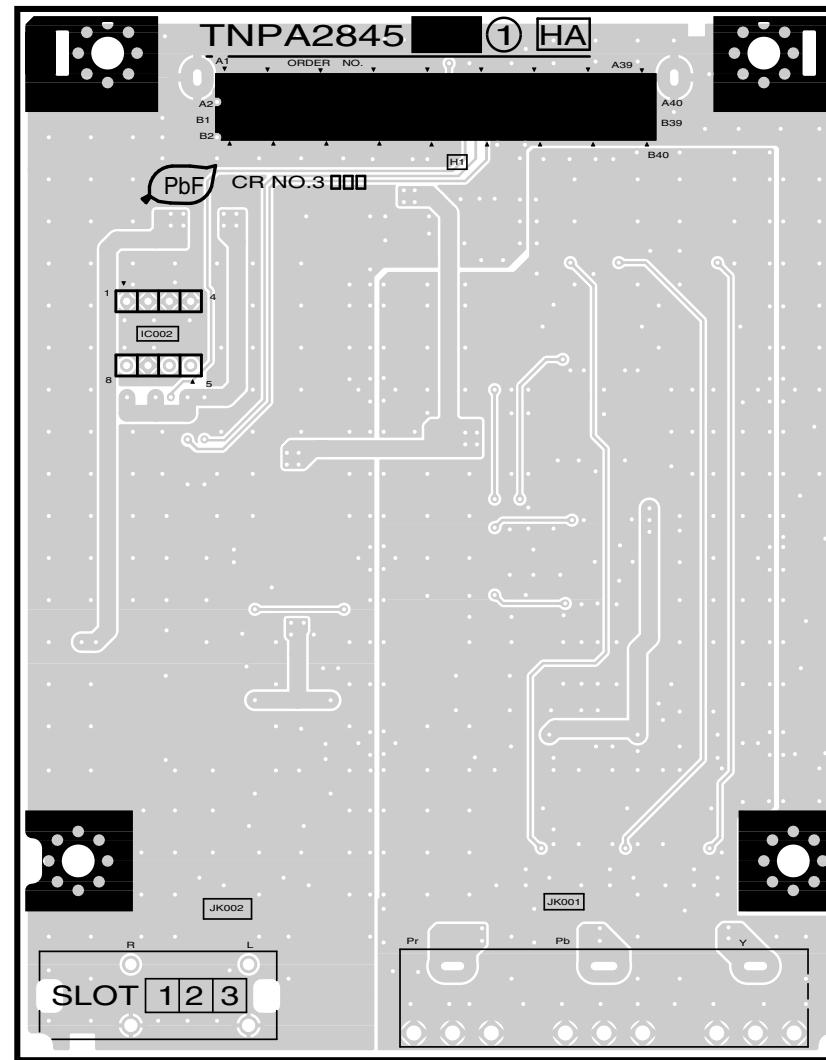


TH-50PHW7BX/EX
TH-50PHD7BK/BS/BX/EK/ES/EX/UY
P-BOARD TNPA3236AB

TH-50PHW7BX/EX
TH-50PHD7BK/BS/BX/EK/ES/EX/UY
P-BOARD TNPA3236AB

14.3. HA-Board

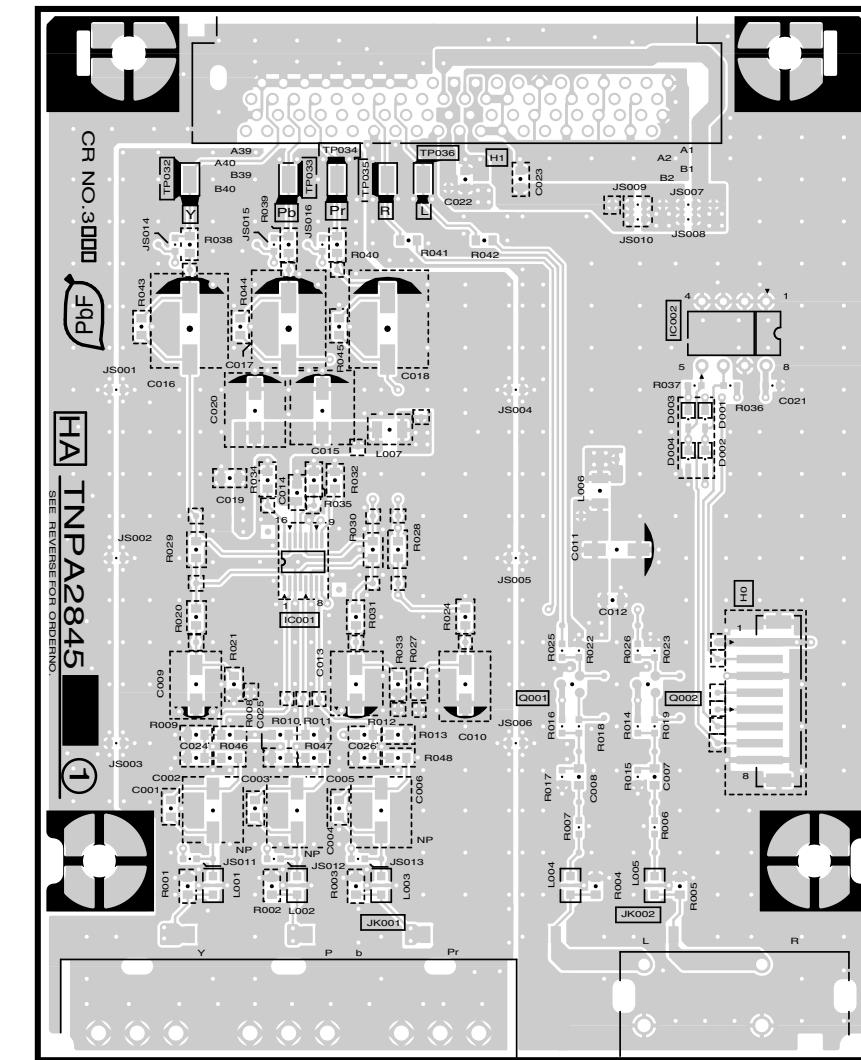
**HA-BOARD(FOIL SIDE)
TXNHA10RBS**



6
5
4
3
2
1

TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
HA-BOARD TXNHA10RBS

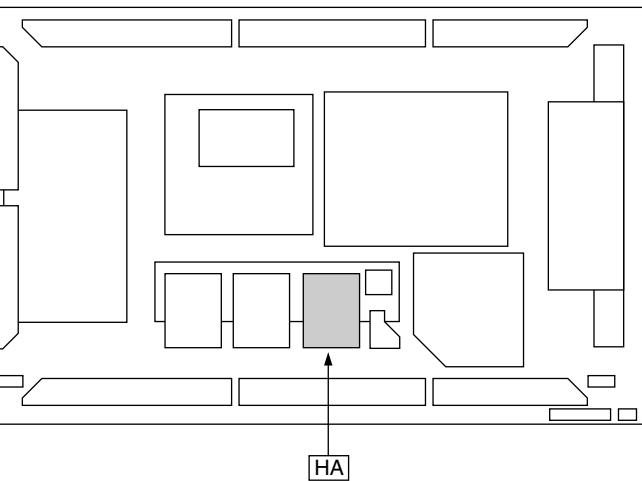
**HA-BOARD(COMPONENT SIDE)
TXNHA10RBS**



D
E
F
G
H
I

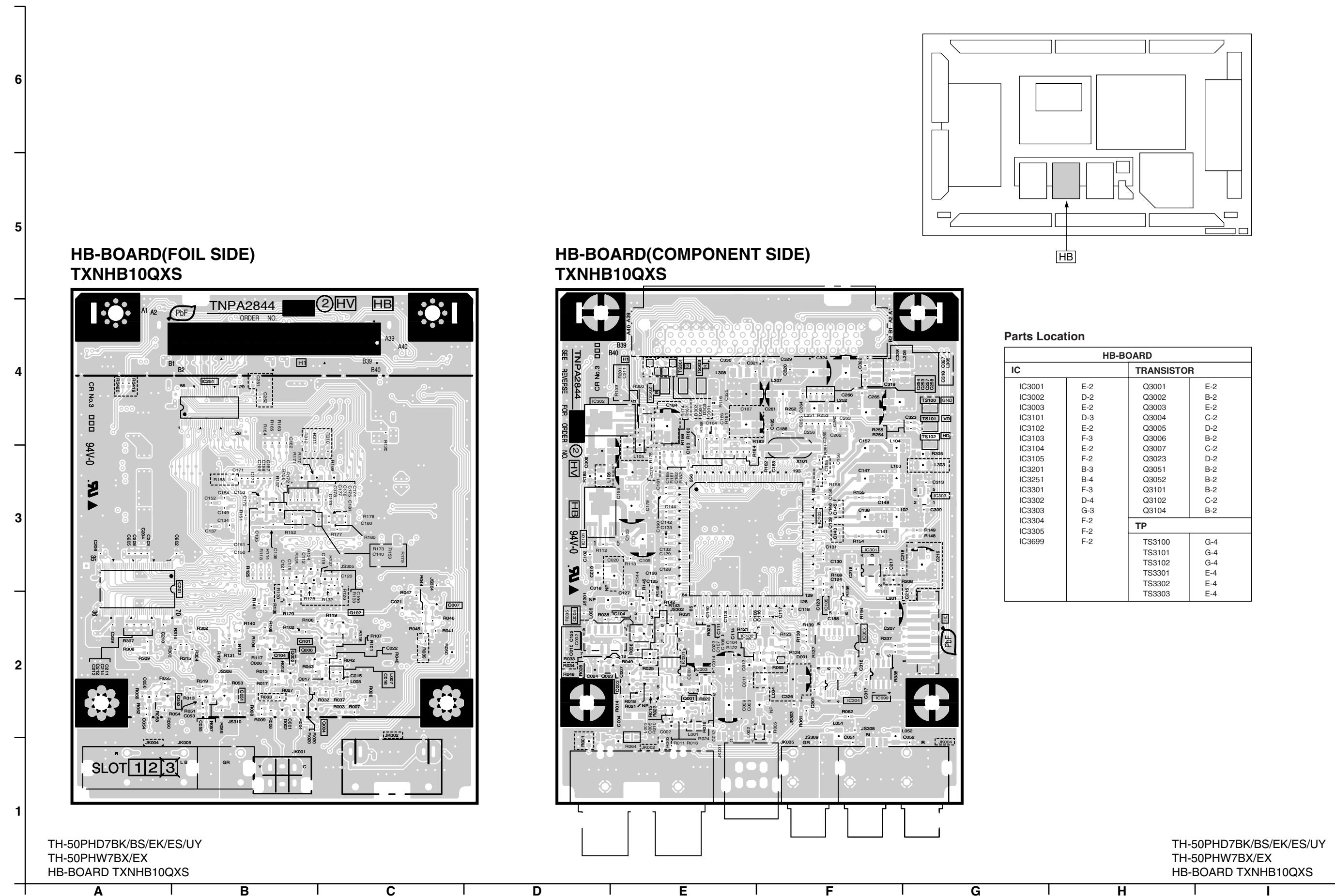
Parts Location

HA-BOARD	
IC	TP
IC3001	E-3
IC3002	F-4
TRANSISTOR	
Q3001	F-2
Q3002	F-2
TP3032	E-4
TP3033	E-4
TP3034	E-4
TP3035	E-4
TP3036	E-4

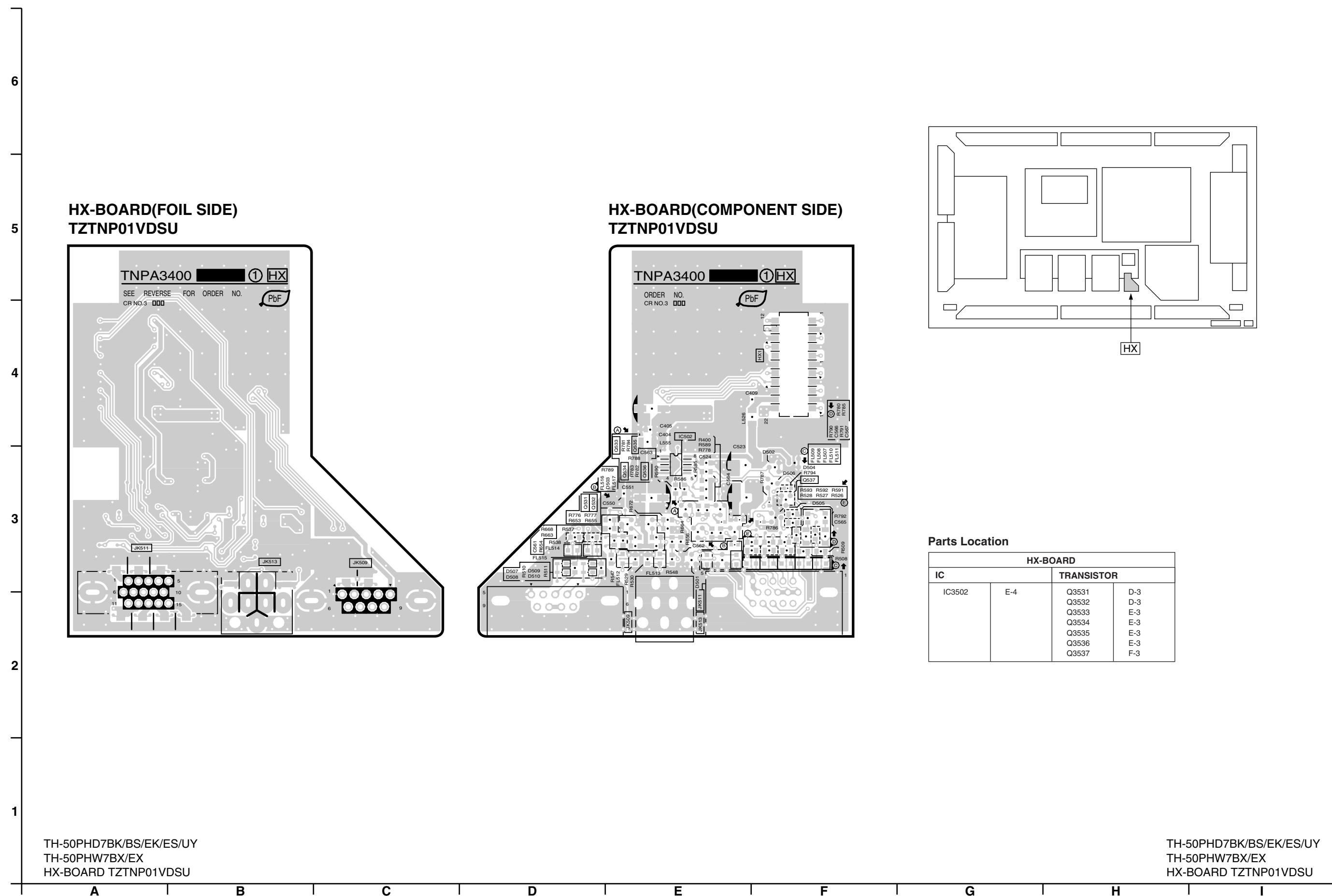


TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
HA-BOARD TXNHA10RBS

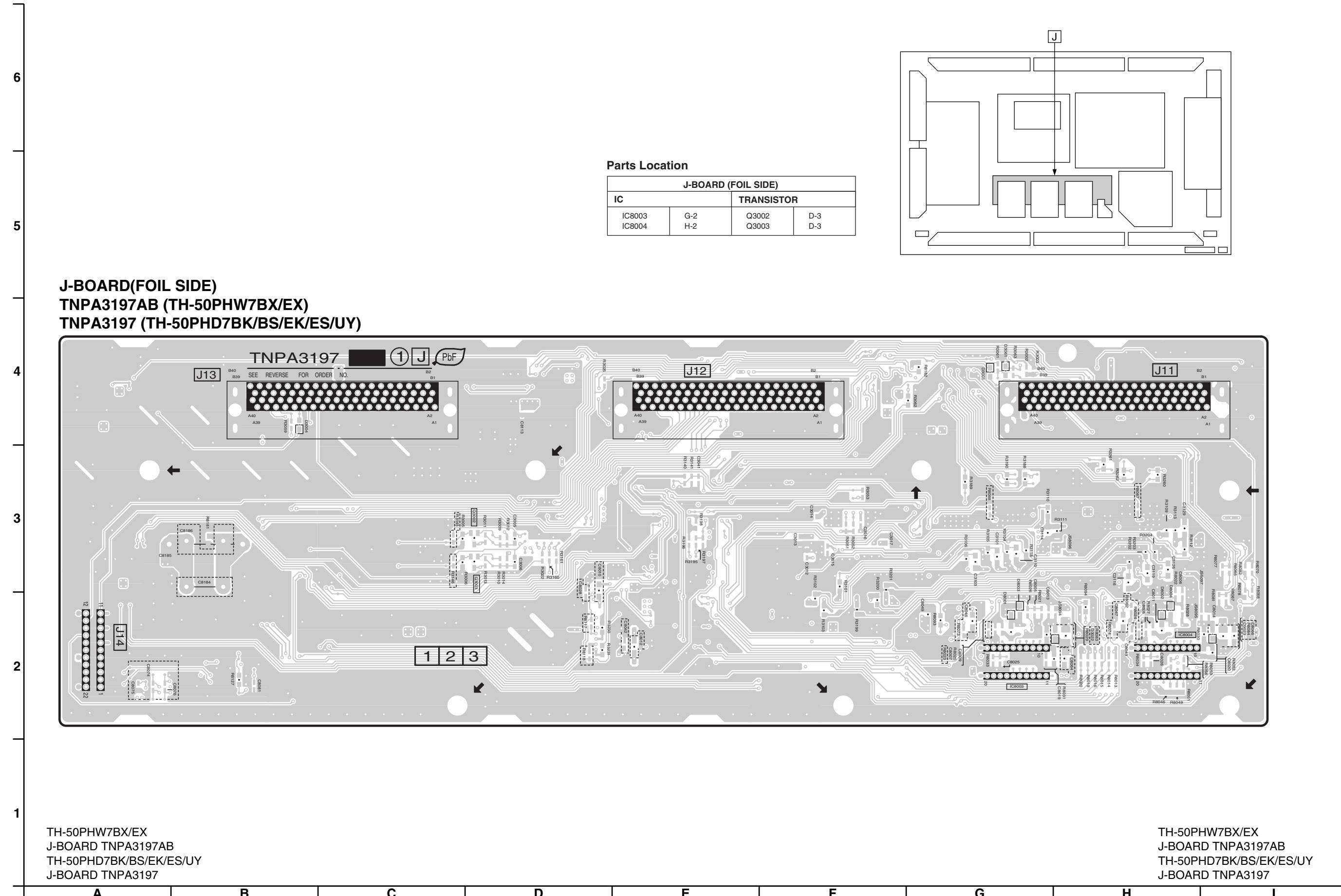
14.4. HB-Board



14.5. HX-Board

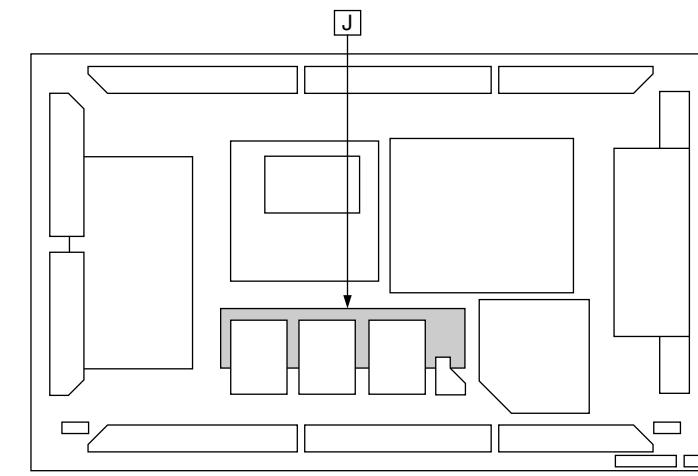
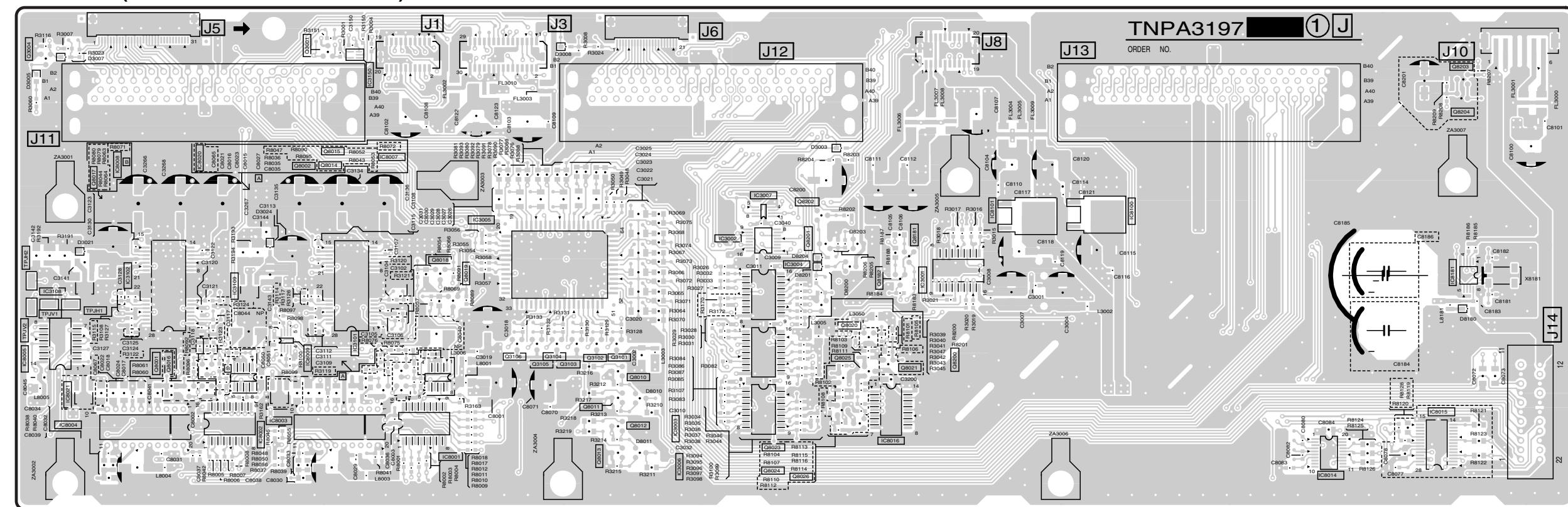


14.6. J-Board



Parts Location

		J-BOARD (COMPONENT SIDE)				TP	
IC		IC8014	H-2	Q8010	D-2	TPJH1	A-3
IC3001	F-2	IC8016	E-2	Q8011	D-2	TPJH2	A-3
IC3002	E-3	IC8020	B-3	Q8012	D-2	TPJV1	A-3
IC3003	D-2	IC8021	A-2	Q8013	D-2	TPJV2	A-3
IC3004	E-3	IC8100	G-3	Q8014	B-3		
IC3005	C-3	IC8101	F-3	Q8015	B-2		
IC3006	D-2	IC8181	H-3	Q8016	B-2		
IC3007	E-3			Q8018	C-3		
IC3101	C-2			Q8019	C-3		
IC3102	A-3			Q8020	E-3		
IC3108	A-3	Q3001	B-4	Q8021	E-2		
IC3109	B-3	Q3101	D-2	Q8023	E-2		
IC3150	C-4	Q3004	A-4	Q8024	E-2		
IC8001	C-2	Q3102	D-2	Q8025	E-2		
IC8002	B-2	Q3103	D-2	Q8026	E-2		
IC8003	B-2	Q3104	D-2	Q8181	E-3		
IC8004	A-2	Q3105	C-2	Q8182	E-3		
IC8005	A-2	Q3106	C-2	Q8200	F-2		
IC8007	C-3	Q8001	A-2	Q8201	E-3		
IC8009	A-3	Q8002	B-3	Q8202	E-3		
IC8009	B-2	Q8004	A-4	Q8203	H-4		
				Q8204	H-4		

**J-BOARD(FOIL SIDE)****TNPA3197AB (TH-50PHW7BX/EX)****TNPA3197 (TH-50PHD7BK/BS/EK/ES/UY)**

TH-50PHW7BX/EX
J-BOARD TNPA3197AB
TH-50PHD7BK/BS/EK/ES/UY
J-BOARD TNPA3197

TH-50PHW7BX/EX
J-BOARD TNPA3197AB
TH-50PHD7BK/BS/EK/ES/UY
J-BOARD TNPA3197

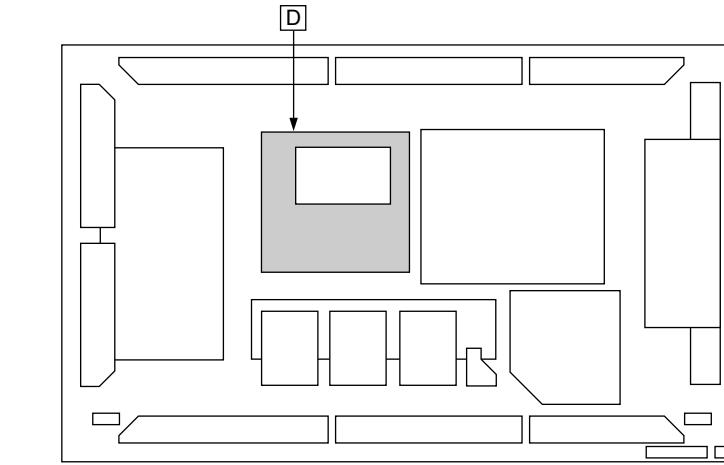
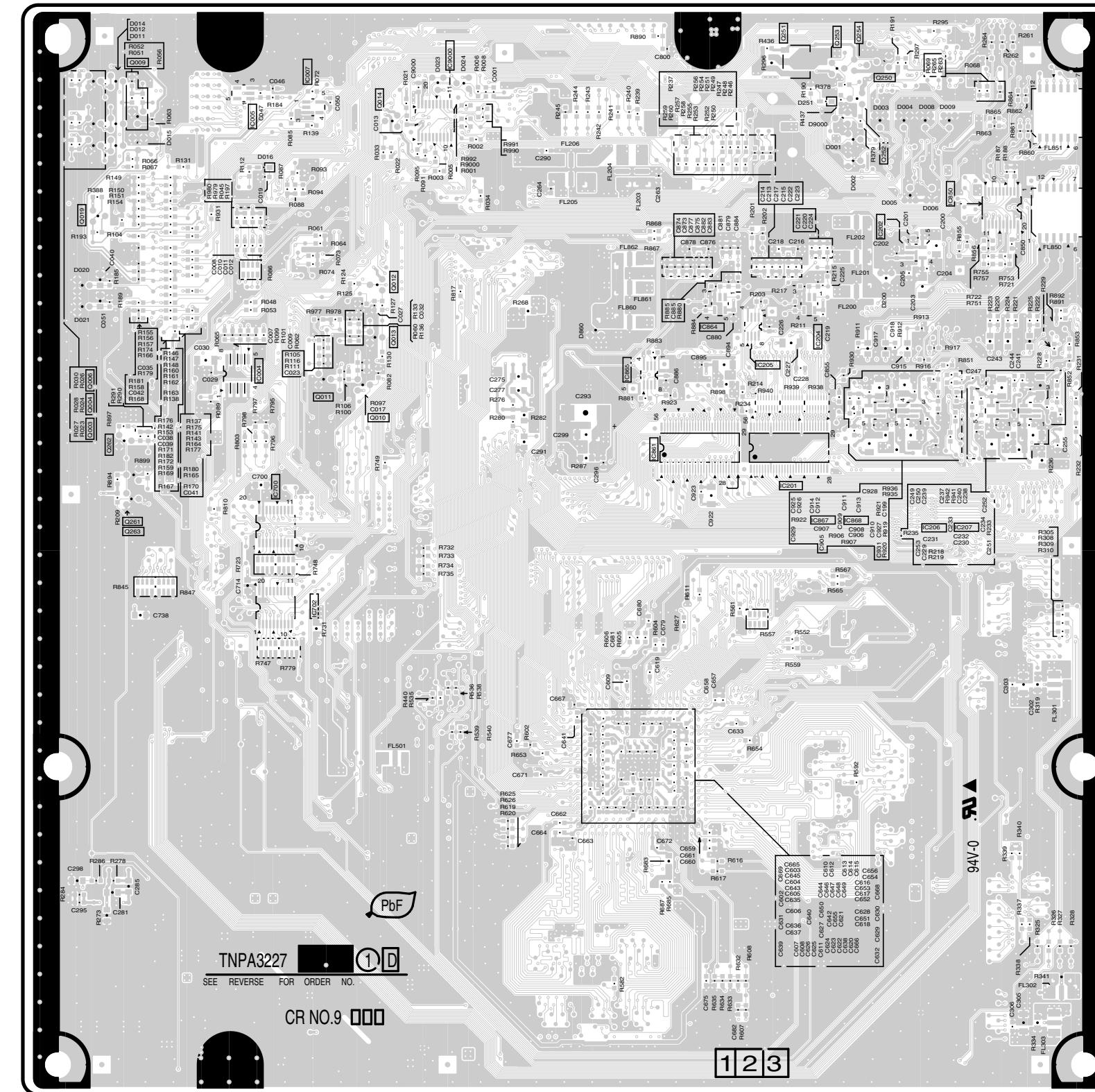
A B C D E F G H I

14.7. D-Board

D-BOARD (FOIL SIDE)

TZTNP020VDS (TH-50PHD7BK/BS/EK/ES/UY)

TZTNP01VNSU (TH-50PHW7BX/EX)



Parts Location

D-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC9000	C-6	Q9003	A-4
IC9004	B-4	Q9004	A-4
IC9005	B-6	Q9006	A-4
IC9007	B-6	Q9009	A-6
IC9201	D-4	Q9010	B-4
IC9202	E-5	Q9011	B-4
IC9204	D-5	Q9012	B-5
IC9205	D-4	Q9013	B-5
IC9206	E-4	Q9014	B-6
IC9207	E-4	Q9019	A-5
IC9700	B-4	Q9250	E-6
IC9702	B-3	Q9251	D-6
IC9850	E-5	Q9252	E-5
IC9861	D-4	Q9253	E-6
IC9865	D-4	Q9254	E-6
IC9867	E-4	Q9261	A-4
IC9868	E-4	Q9262	A-4
IC9884	D-5	Q9263	A-4

TH-50PHD7BK/BS/EK/ES/UY

D-BOARD TZTNP020VDS

TH-50PHW7BX/EX

D-BOARD TZTNP01VNSU

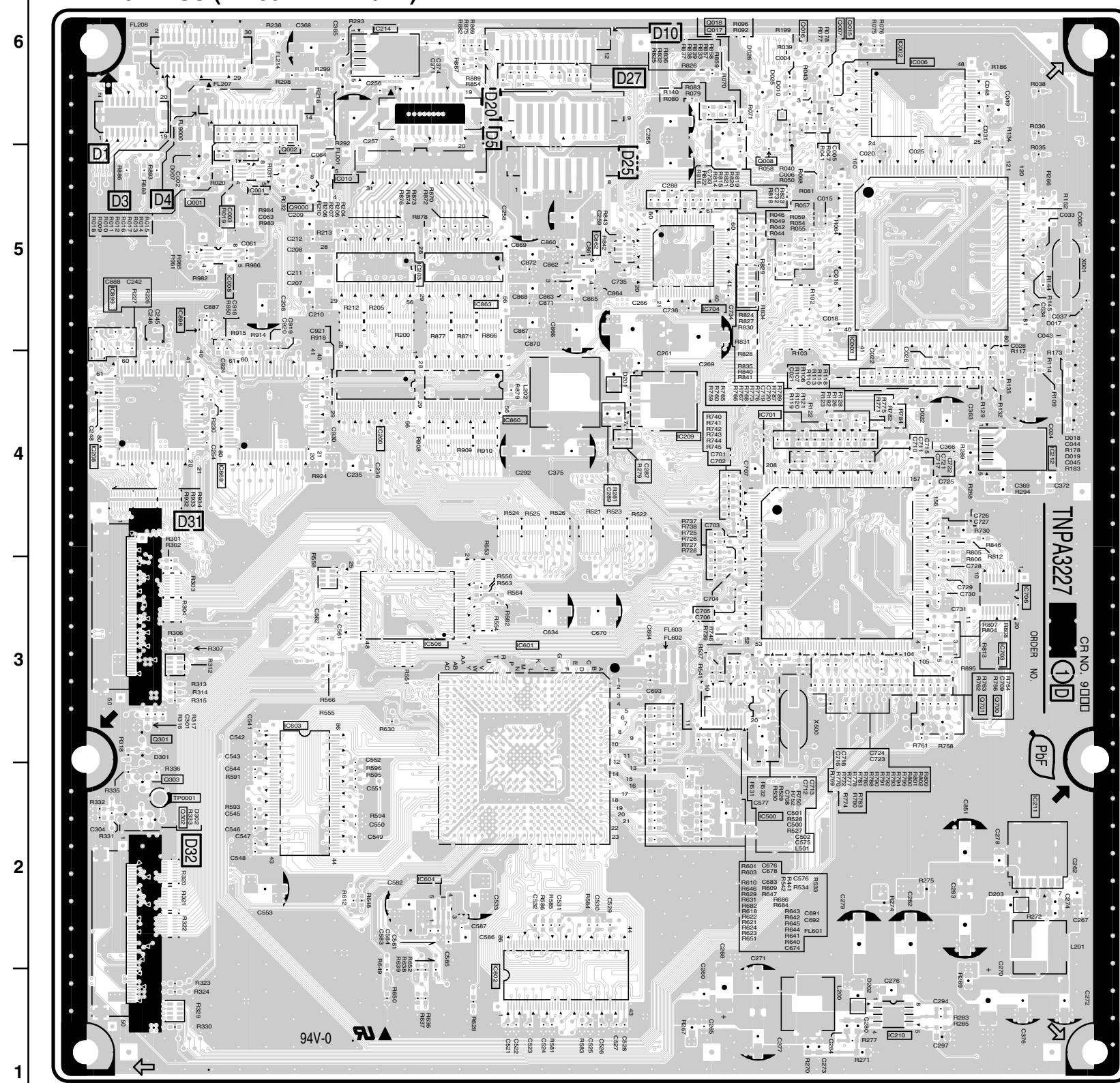
TH-50PHD7BK/BS/EK/ES/UY

D-BOARD TZTNP020VDS

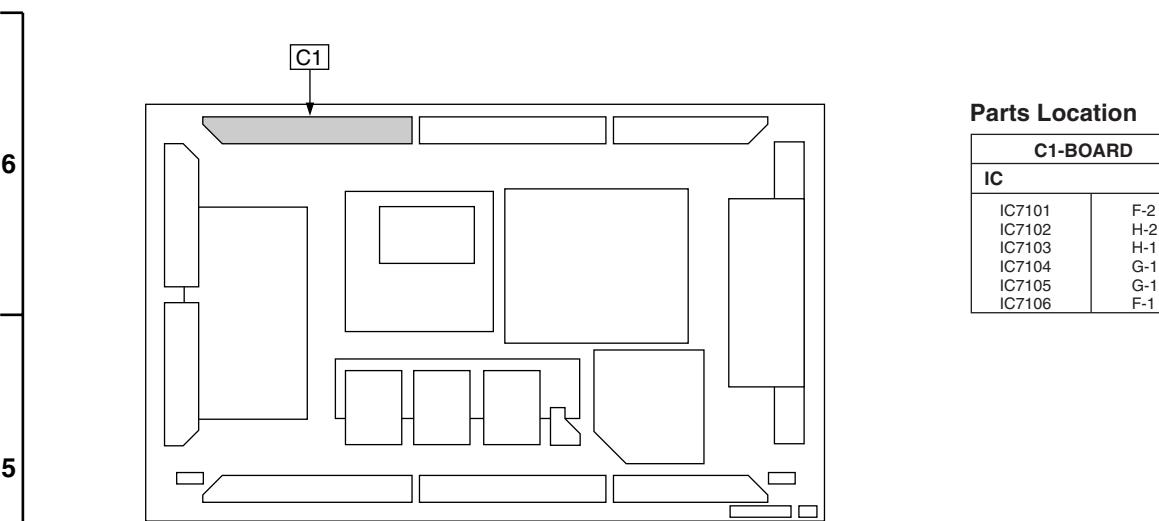
TH-50PHW7BX/EX

D-BOARD TZTNP01VNSU

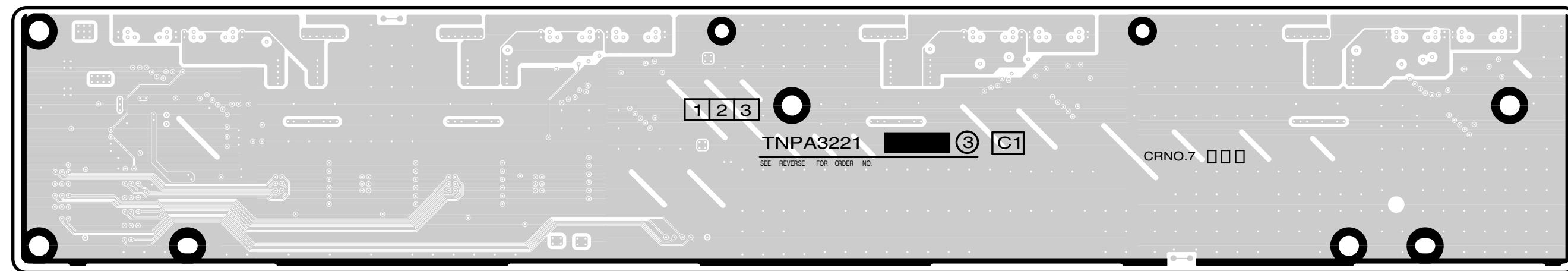
D-BOARD (COMPONENT SIDE)
TZTNP020VDS (TH-50PHD7BK/BS/EK/ES/UY)
TZTNP01VNSU (TH-50PHW7BX/EX)



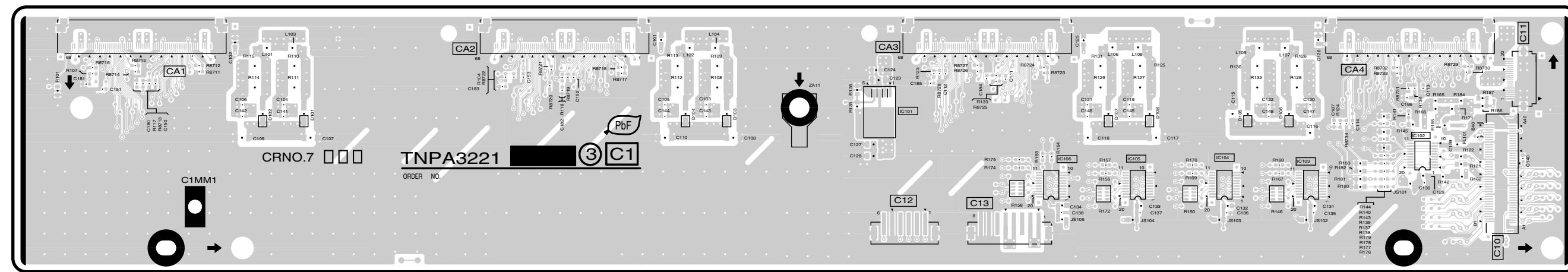
14.8. C1-Board



C1-BOARD (FOIL SIDE)
TNPA3221



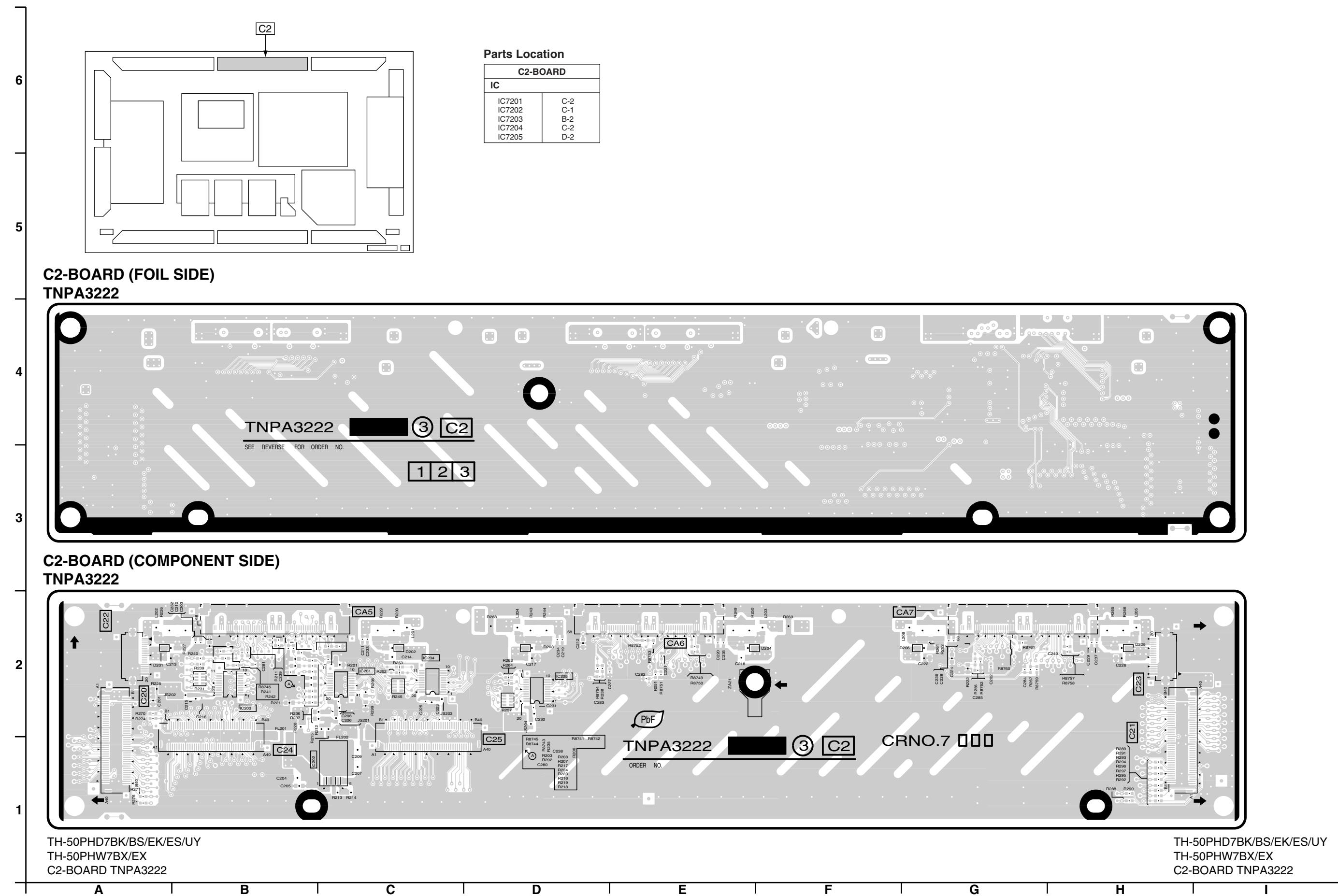
C1-BOARD (COMPONENT SIDE)
TNPA3221



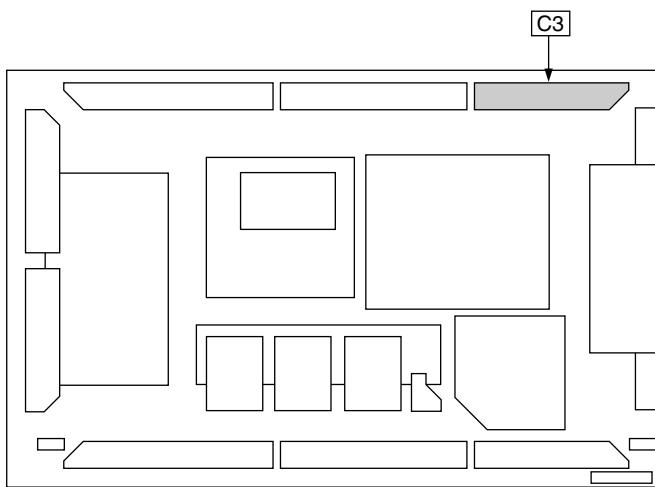
TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
C1-BOARD TNPA3221

TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
C1-BOARD TNPA3221

14.9. C2-Board



14.10. C3-Board

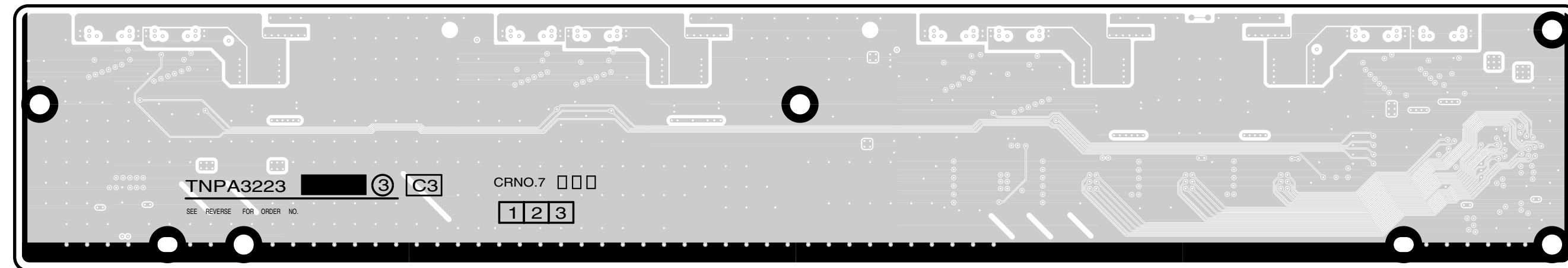


Parts Location

C3-BOARD	
IC	
IC7301	B-1
IC7302	C-1
IC7303	C-1
IC7304	D-1
IC7305	B-1
IC7306	E-2

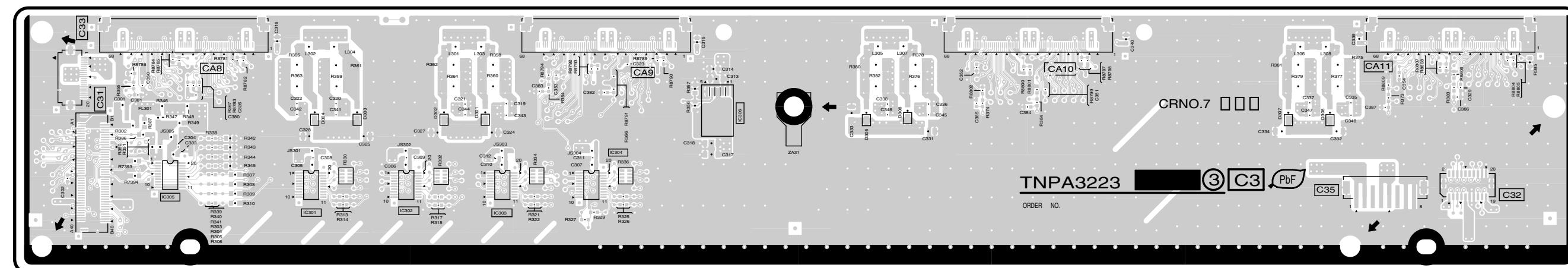
C3-BOARD (FOIL SIDE)

TNPA3223



C3-BOARD (COMPONENT SIDE)

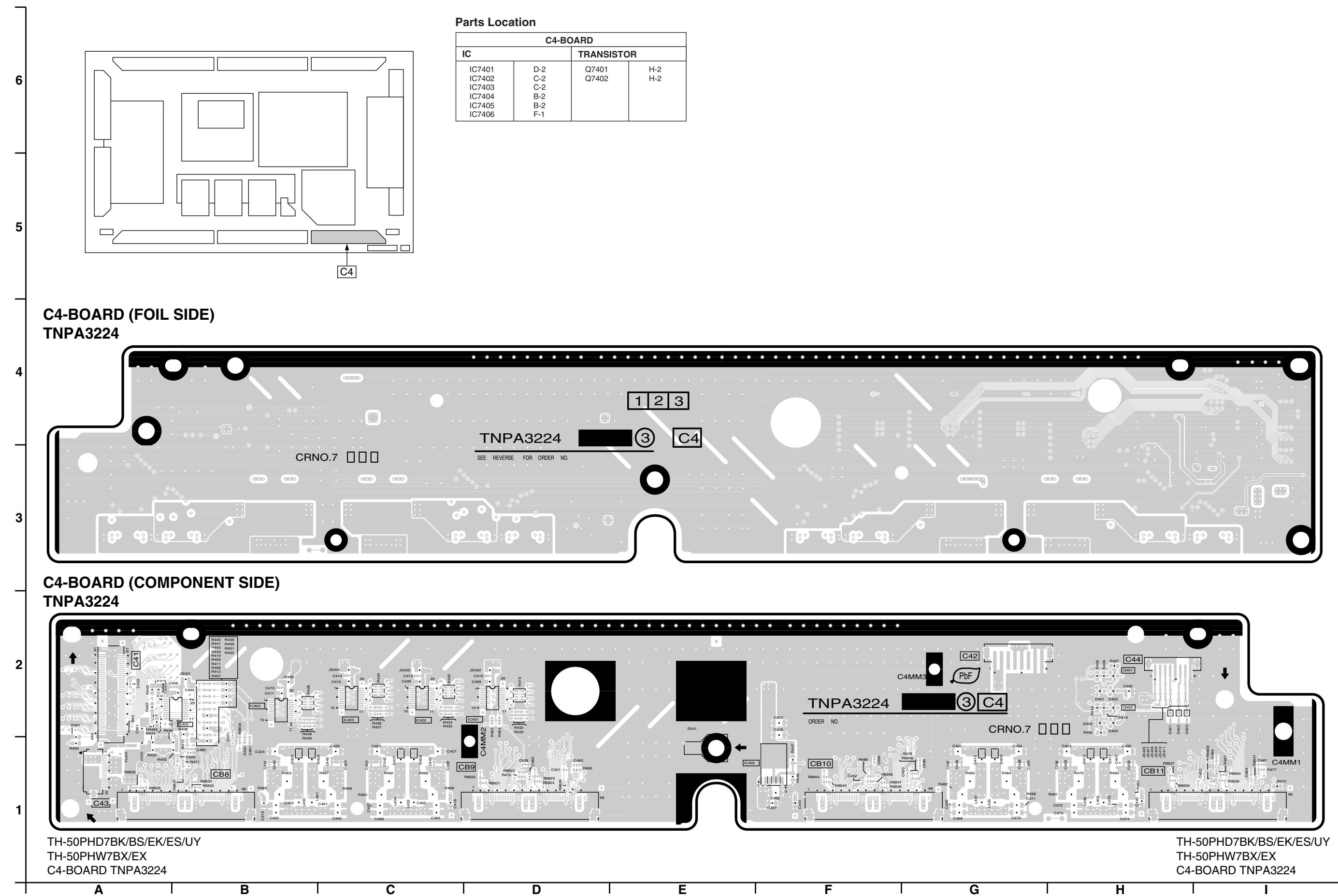
TNPA3223



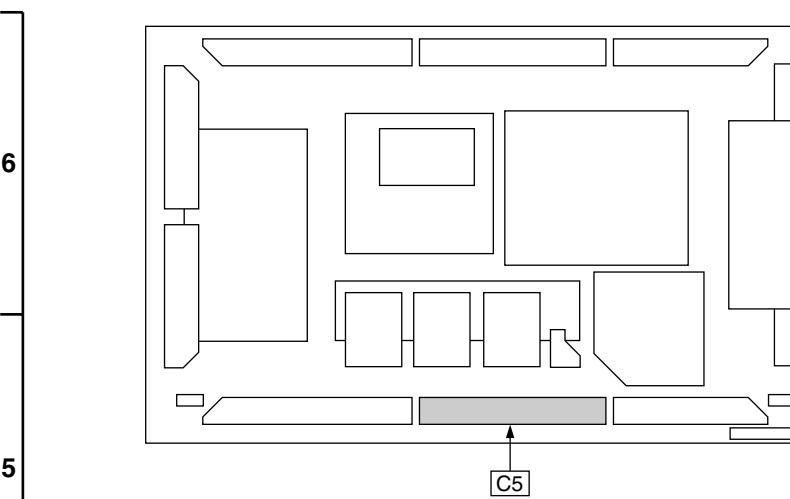
TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
C3-BOARD TNPA3223

TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
C3-BOARD TNPA3223

14.11. C4-Board



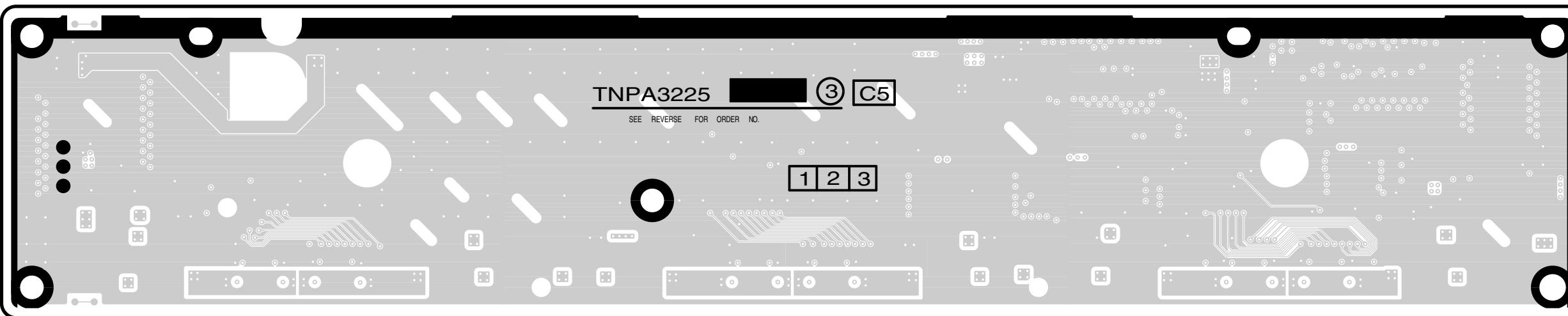
14.12. C5-Board



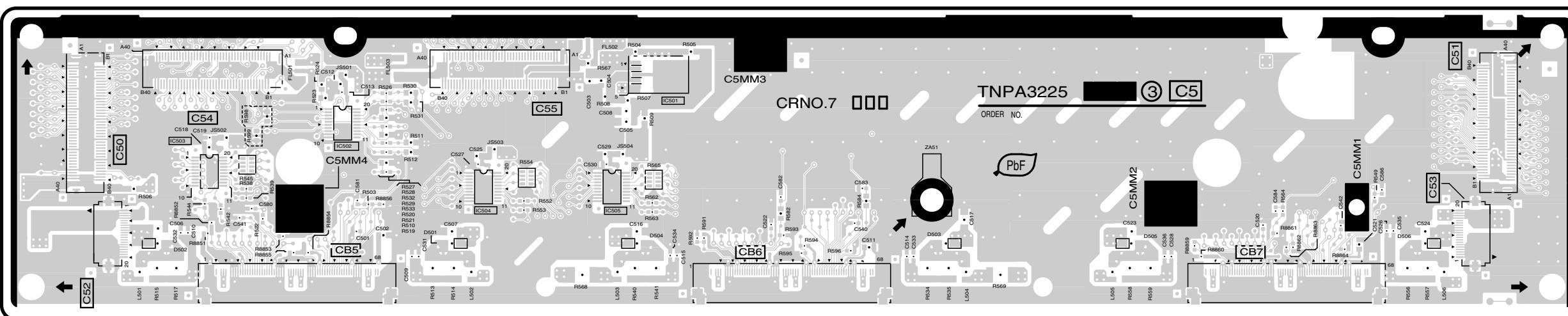
Parts Location

C5-BOARD	
IC	
IC7501	D-2
IC7502	B-2
IC7503	B-2
IC7504	C-2
IC7506	D-2

C5-BOARD (FOIL SIDE)
TNPA3225



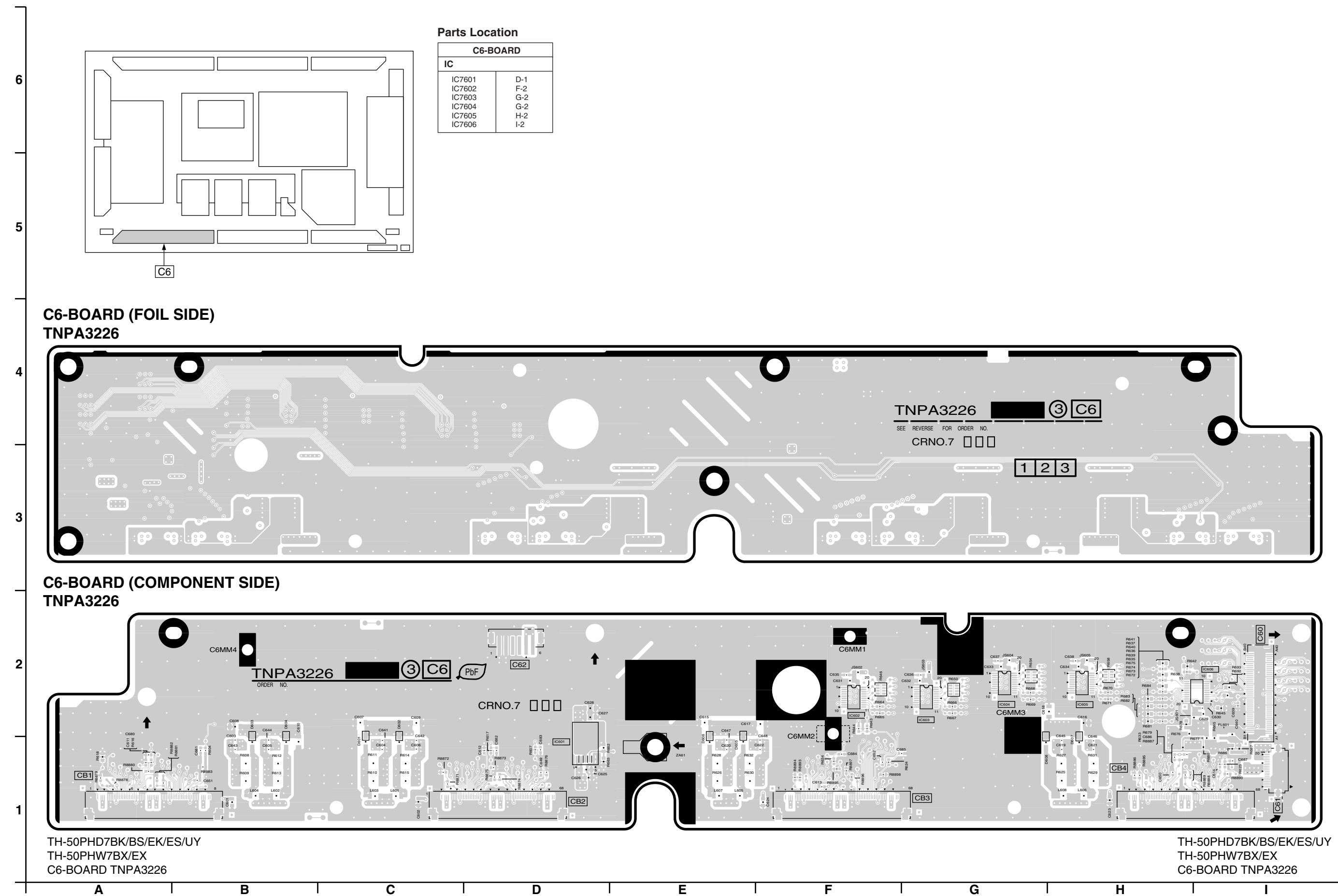
C5-BOARD (COMPONENT SIDE)
TNPA3225



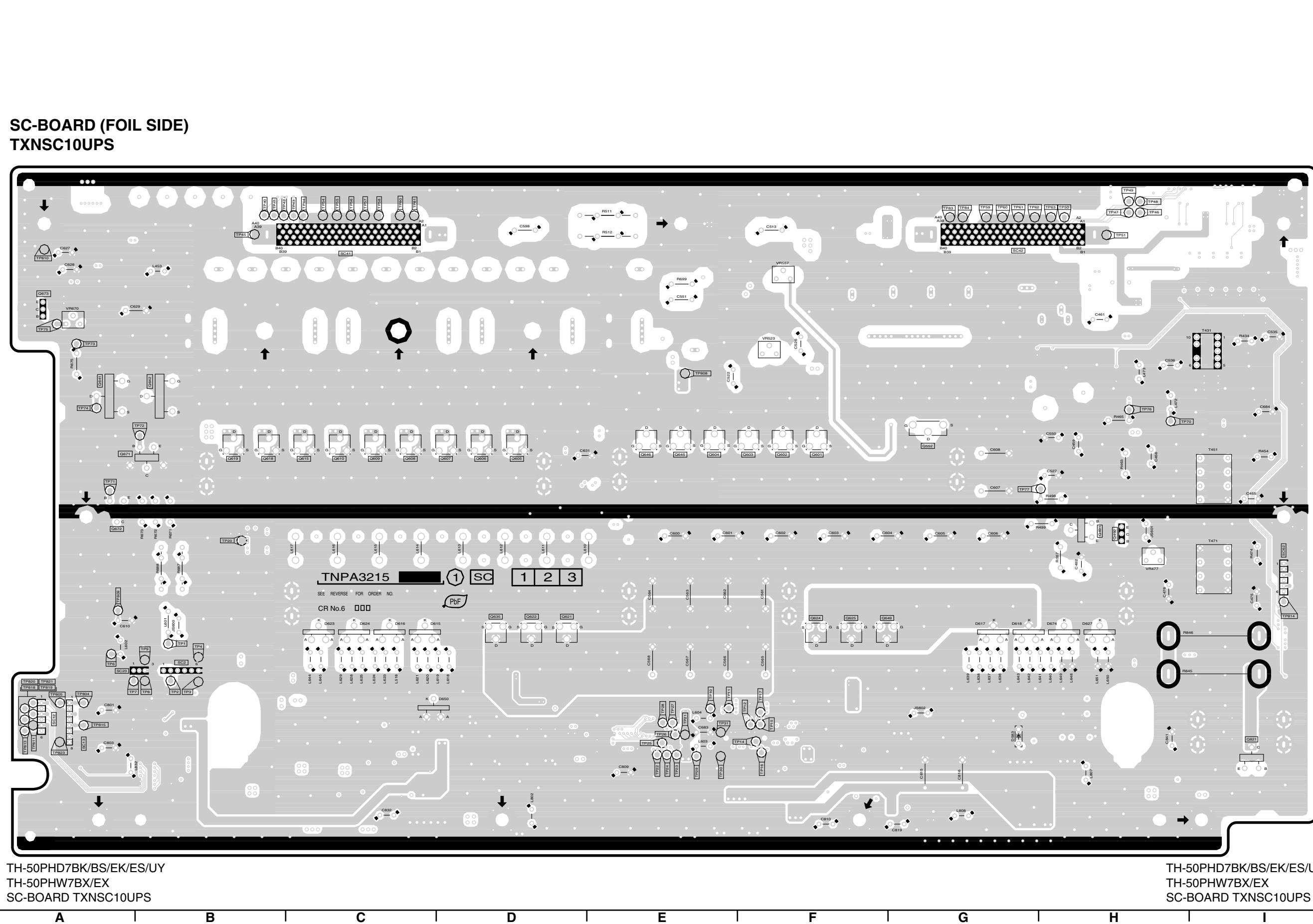
TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
C5-BOARD TNPA3225

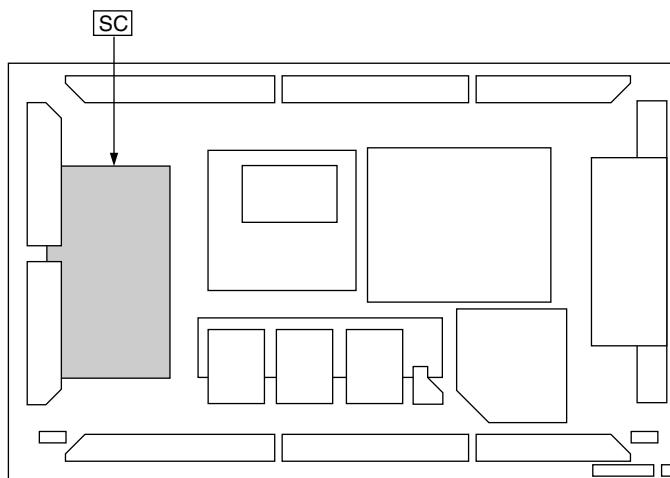
TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
C5-BOARD TNPA3225

14.13. C6-Board



14.14. SC-Board



**Parts Location**

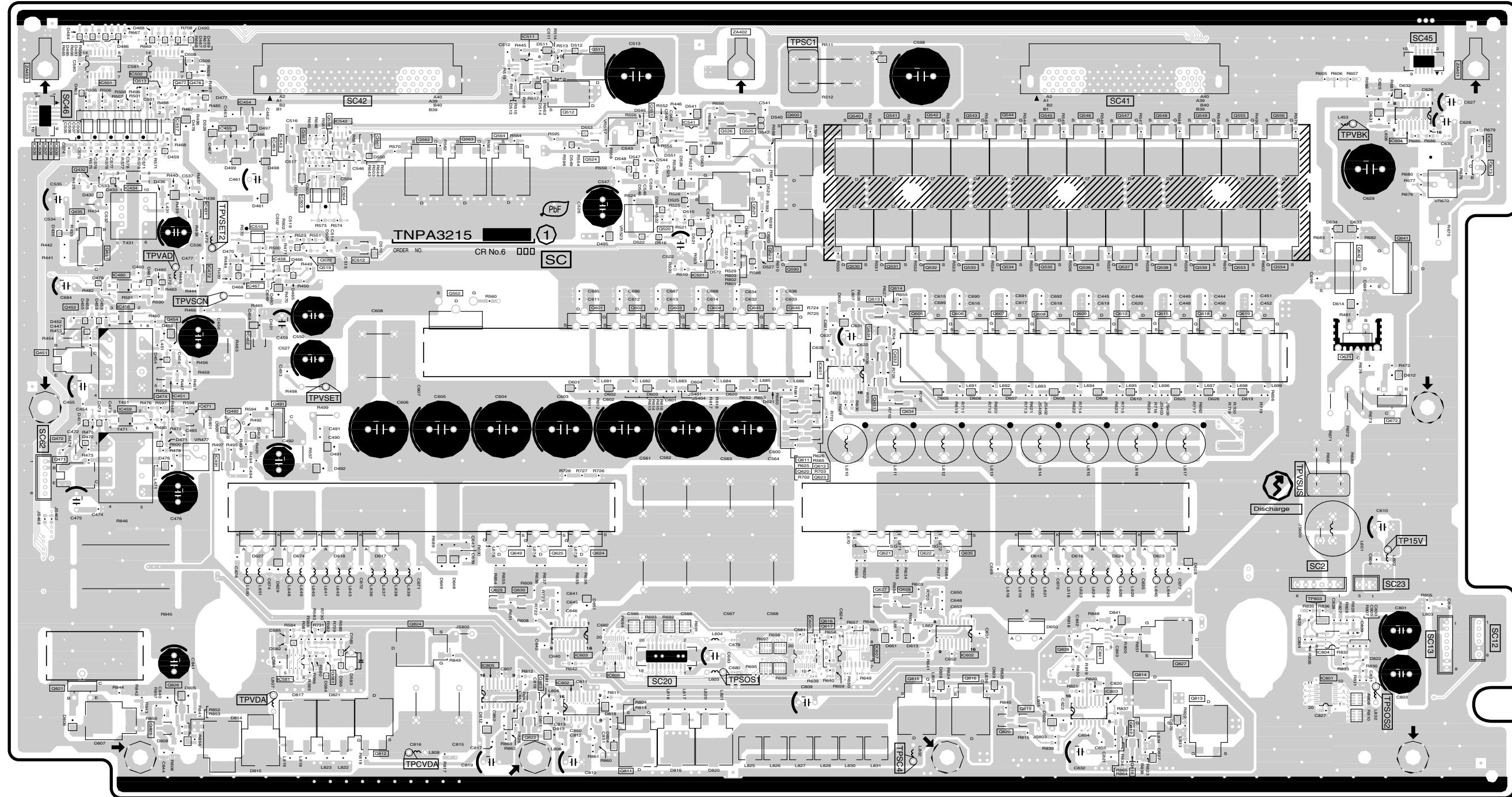
SC-BOARD (FOIL SIDE)				
TRANSISTOR		TP	TP50	H-5
Q6491	H-3	TP1	B-2	TP51 H-5
Q6492	H-3	TP2	B-2	TP54 C-5
Q6552	G-4	TP3	B-2	TP55 C-5
Q6601	F-4	TP4	B-2	TP56 C-5
Q6602	F-4	TP6	A-2	TP57 C-5
Q6603	F-4	TP7	A-2	TP59 G-5
Q6604	E-4	TP8	B-2	TP60 G-5
Q6605	D-4	TP9	B-2	TP61 G-5
Q6606	D-4	TP10	E-2	TP63 H-5
Q6607	D-4	TP11	E-2	TP70 H-4
Q6608	C-4	TP12	F-2	TP71 A-3
Q6609	C-4	TP14	F-2	TP72 B-4
Q6610	C-4	TP15	F-2	TP73 A-4
Q6615	C-4	TP16	F-1	TP74 A-4
Q6618	B-4	TP17	F-2	TP75 A-4
Q6619	B-4	TP20	B-3	TP76 H-4
Q6621	D-2	TP21	E-2	TP77 G-3
Q6622	D-2	TP22	E-1	TP80 C-5
Q6624	F-2	TP23	E-1	TP81 C-5
Q6625	F-2	TP24	E-1	TP82 G-5
Q6635	D-2	TP25	E-2	TP83 G-5
Q6641	A-4	TP26	E-2	TP84 G-5
Q6642	B-4	TP27	E-2	TP804 A-2
Q6645	E-4	TP28	E-2	TP805 A-2
Q6646	E-4	TP29	E-1	TP808 E-4
Q6649	F-2	TP30	E-1	TP809 A-3
Q6671	B-4	TP31	E-2	TP810 A-5
Q6672	A-3	TP40	B-5	TP811 A-2
Q6673	A-5	TP41	B-5	TP813 A-2
Q6821	I-2	TP42	B-5	TP814 I-3
		TP43	C-5	TP815 A-2
		TP44	C-5	TP818 A-2
		TP45	B-5	TP819 A-2
		TP46	H-5	TP820 A-2
		TP47	H-5	TP821 A-2
		TP48	H-5	TP823 A-2
		TP49	H-5	

Parts Location

SC-BOARD (COMPONENT SIDE)						
IC		TRANSISTOR	Q6555	H-5	Q6649	D-2
IC6431	B-4	Q6431	A-4	Q6556 H-5	Q6671 H-3	
IC6434	A-4	Q6432	A-4	Q6557 B-5	Q6672 I-4	
IC6451	B-3	Q6435	A-4	Q6558 B-5	Q6673 I-5	
IC6452	B-4	Q6451	A-3	Q6561 C-5	Q6747 B-3	
IC6453	B-5	Q6452	A-4	Q6562 C-5	Q6811 D-1	
IC6454	B-5	Q6454	B-4	Q6564 C-5	Q6813 H-1	
IC6455	B-5	Q6471	A-3	Q6581 C-2	Q6814 G-1	
IC6456	A-4	Q6472	A-3	Q6590 E-4	Q6815 F-1	
IC6457	B-5	Q6476	B-5	Q6600 E-5	Q6816 F-1	
IC6458	B-4	Q6477	B-5	Q6601 D-4	Q6817 G-1	
IC6459	A-3	Q6491	B-3	Q6602 D-4	Q6818 G-1	
IC6467	B-4	Q6492	B-3	Q6603 D-4	Q6819 F-1	
IC6471	B-3	Q6511	D-5	Q6604 E-4	Q6820 F-1	
IC6472	B-4	Q6512	D-5	Q6605 F-4	Q6821 A-1	
IC6480	A-4	Q6513	A-5	Q6606 F-4	Q6822 D-1	
IC6491	B-3	Q6519	B-4	Q6607 F-4	Q6823 D-1	
IC6501	A-5	Q6520	D-4	Q6608 G-4	Q6824 C-2	
IC6502	A-5	Q6521	E-4	Q6609 G-4	Q6825 A-1	
IC6503	B-4	Q6522	B-4	Q6610 G-4	Q6826 B-1	
IC6504	C-4	Q6523	E-4	Q6611 E-3	Q6827 G-2	
IC6505	A-5	Q6524	D-5	Q6612 E-3	Q6828 G-2	
IC6506	A-5	Q6525	E-5	Q6613 F-4		
IC6507	A-5	Q6526	E-5	Q6614 F-4		
IC6508	A-5	Q6530	F-4	Q6615 G-4		
IC6509	A-5	Q6531	F-4	Q6616 E-2		
IC6510	B-4	Q6532	F-4	Q6617 E-2		
IC6511	D-5	Q6533	F-4	Q6618 H-4		
IC6512	C-4	Q6534	F-4	Q6619 H-4		
IC6513	E-4	Q6535	G-4	Q6620 E-3		
IC6514	E-5	Q6536	G-4	Q6621 F-2		
IC6542	C-5	Q6537	G-4	Q6622 F-2		
IC6543	B-5	Q6538	G-4	Q6623 E-3		
IC6561	B-2	Q6539	H-4	Q6624 D-2		
IC6601	E-3	Q6540	F-5	Q6625 D-2		
IC6602	F-2	Q6541	F-5	Q6627 F-2		
IC6603	D-2	Q6542	F-5	Q6628 F-2		
IC6604	I-5	Q6543	F-5	Q6629 C-2		
IC6605	E-2	Q6544	F-5	Q6630 D-2		
IC6607	F-2	Q6545	G-5	Q6631 F-4		
IC6671	I-5	Q6546	G-5	Q6632 F-3		
IC6801	H-1	Q6547	G-5	Q6633 F-3		
IC6802	D-1	Q6548	G-5	Q6634 F-3		
IC6803	G-1	Q6549	H-5	Q6635 F-2		
IC6804	H-2	Q6551	D-5	Q6641 I-4		
IC6805	C-2	Q6552	C-4	Q6642 H-4		
IC6808	D-2	Q6553	H-4	Q6645 E-4		
IC6841	G-2	Q6554	H-4	Q6646 E-4		
TP		TP15V	I-2			
		TP803	H-2			
		TPCVDA	C-1			
		TPSC1	E-5			
		TPSC4	F-1			
		TPSOS1	E-2			
		TPSOS2	I-1			
		TPVAD	B-4			
		TPVBK	H-5			
		TPVDA	B-1			
		TPVSCN	B-4			
		TPVSET	B-3			
		TPVSET2	B-4			
		TPVSUS	H-3			

6

SC-BOARD (COMPONENT SIDE)
TXNSC10UPS

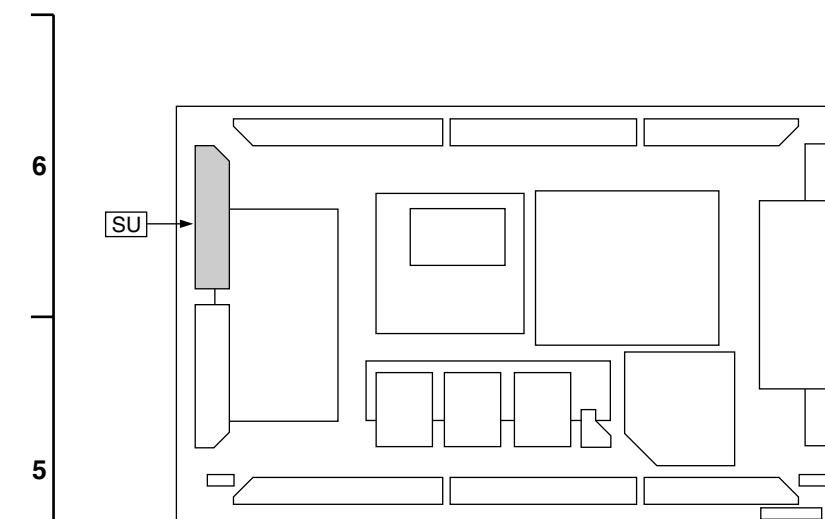


TH-50PHD7BK/BS/EK/ES/UY
 TH-50PHW7BX/EX
 SC-BOARD TXNSC10UPS

TH-50PHD7BK/BS/EK/ES/UY
 TH-50PHW7BX/EX
 SC-BOARD TXNSC10UPS

A B C D E F G H I

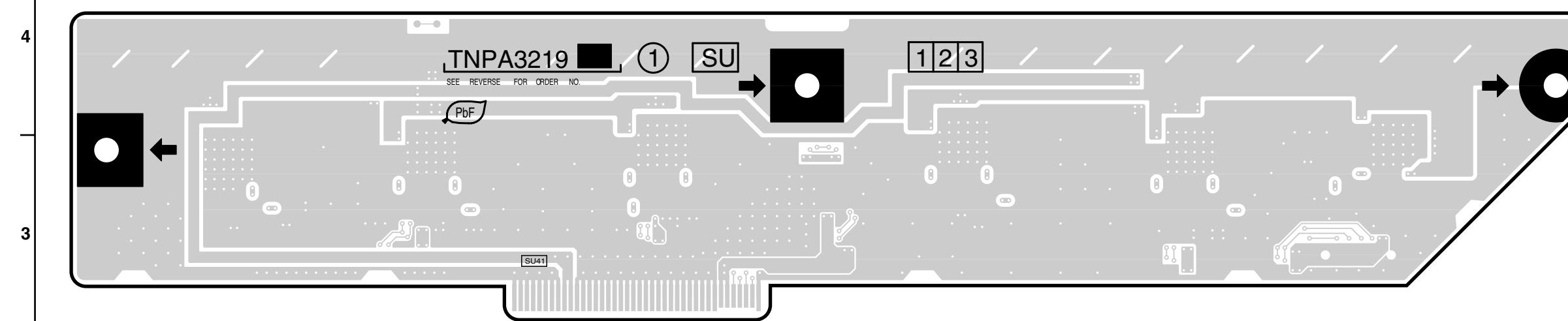
14.15. SU-Board



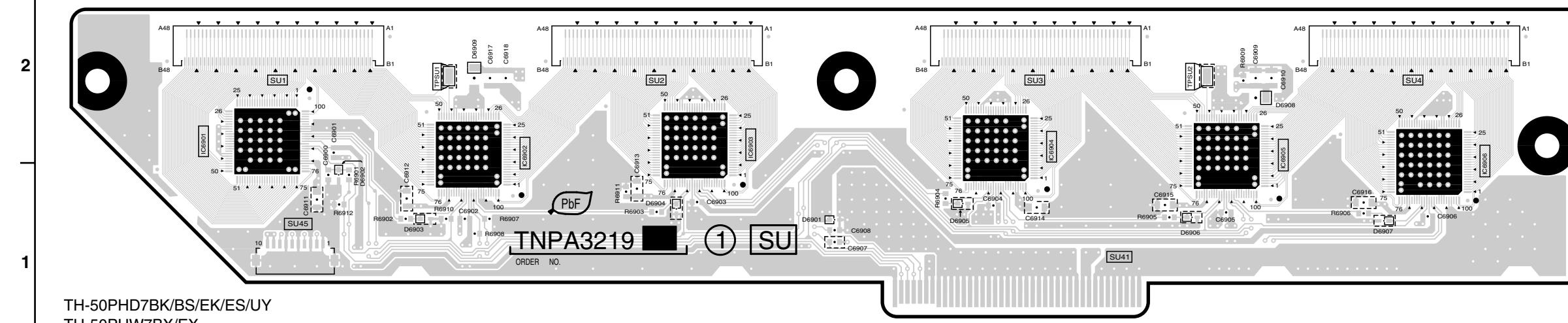
Parts Location

SU-BOARD			
IC	A-2	TP	C-2
IC6901		TPSU1	
IC6902	C-2	TPSU2	
IC6903	D-2		
IC6904	F-2		
IC6905	G-2		
IC6906	H-2		

**SU-BOARD (FOIL SIDE)
TXNSU10UPS**



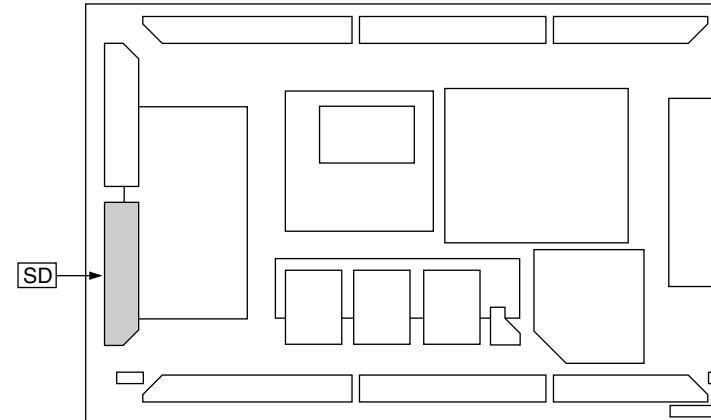
**SU-BOARD (COMPONENT SIDE)
TXNSU10UPS**



TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
SU-BOARD TXNSU10UPS

TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
SU-BOARD TXNSU10UPS

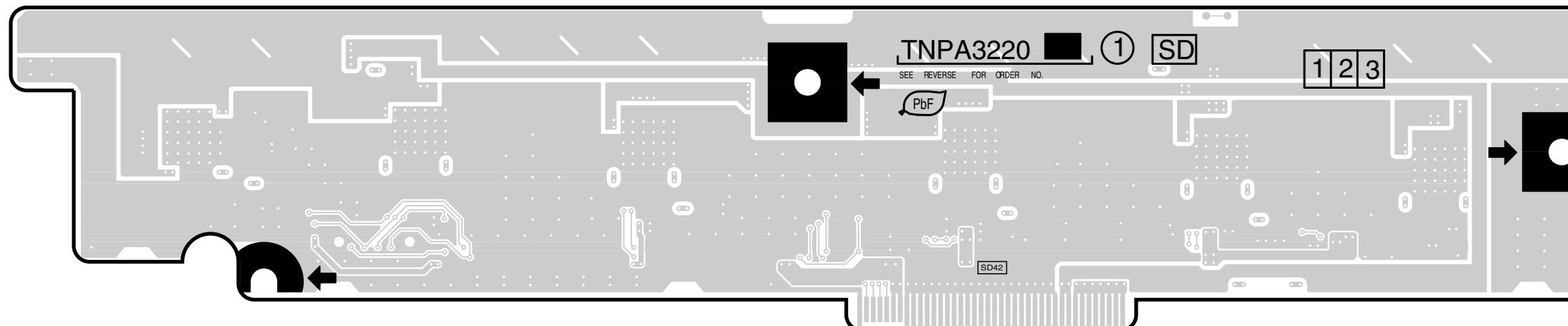
14.16. SD-Board



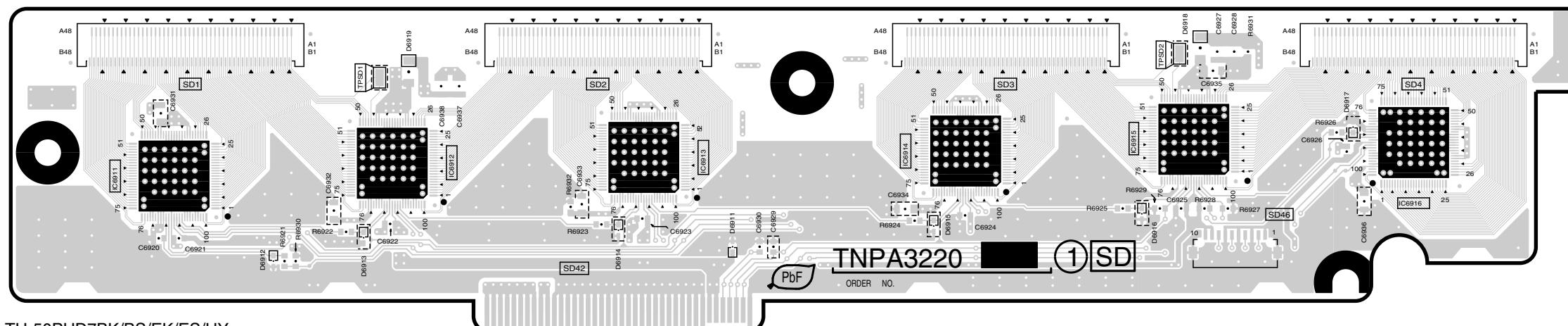
Parts Location

SD-BOARD			
IC	TP		
IC6911	A-2	TPSD1	
IC6912	C-2	TPSD2	
IC6913	D-2		
IC6914	E-2		
IC6915	F-2		
IC6916	G-1		

SD-BOARD (FOIL SIDE)
TXNSD10UPS



SD-BOARD (COMPONENT SIDE)
TXNSD10UPS

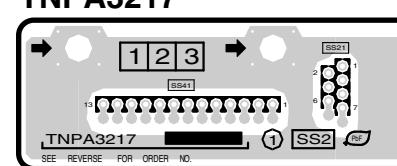


TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
SD-BOARD TXNSD10UPS

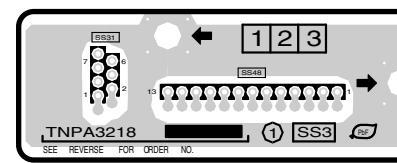
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TH-50PHW7BX/EX
SD-BOARD TXNSD10UPS

14.17. SS-Board

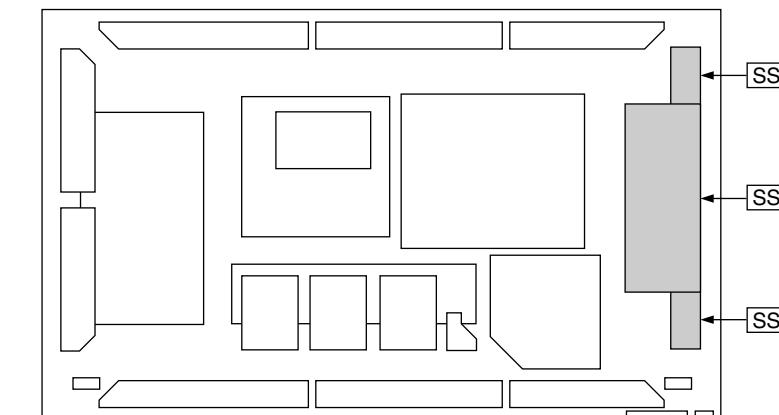
**SS2-BOARD (FOIL SIDE)
TNPA3217**



**SS3-BOARD (FOIL SIDE)
TNPA3218**

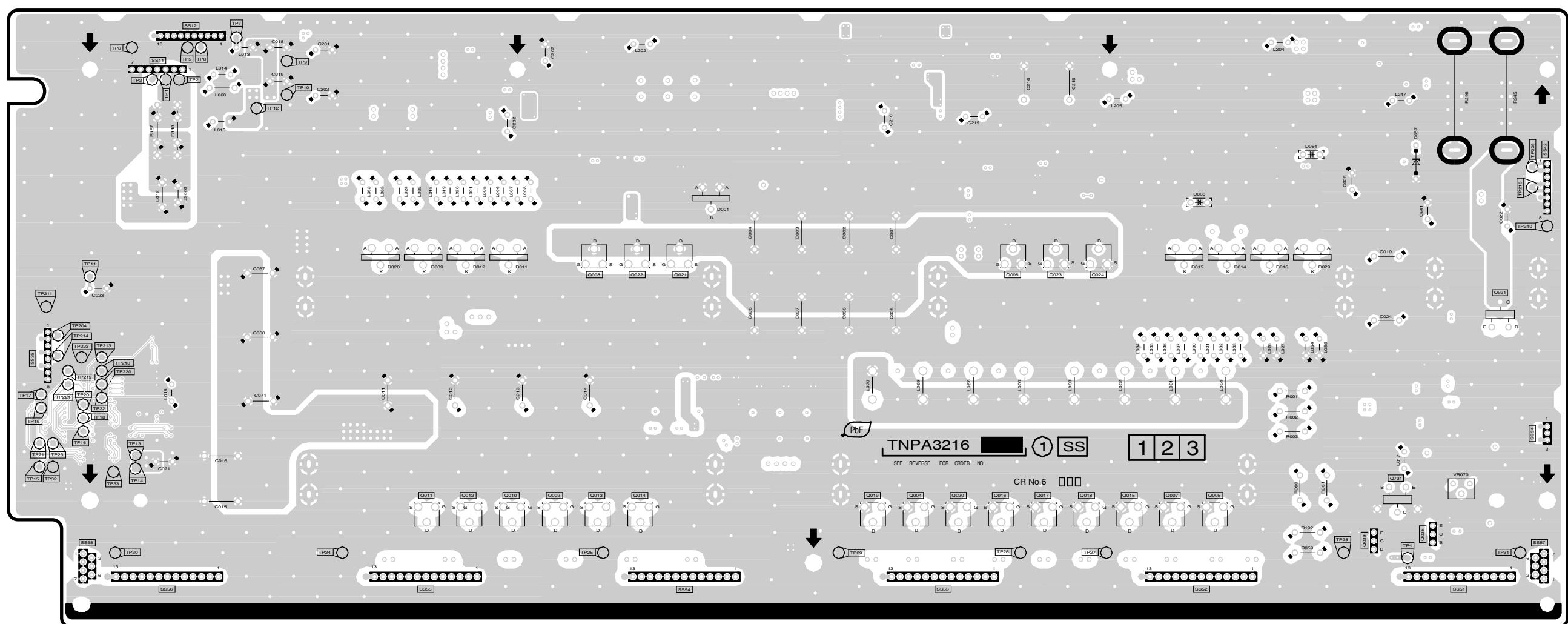


**SS-BOARD (FOIL SIDE)
TXNSS10UPS**



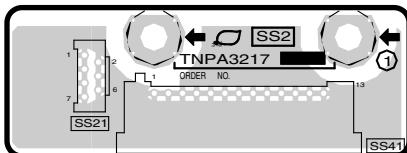
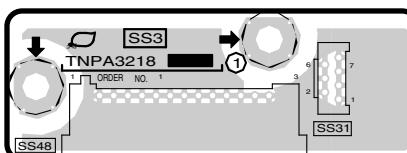
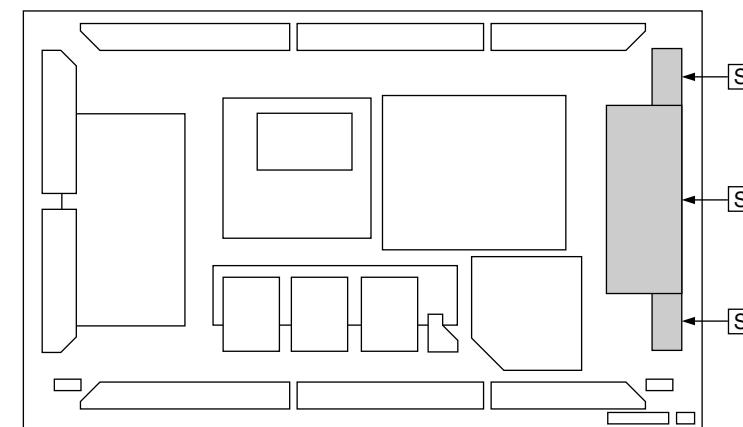
Parts Location

SS-BOARD (FOIL SIDE)				
TRANSISTOR		TP		
Q6004	F-2	TP1	A-4	TP26 TP27
Q6005	G-2	TP2	B-4	TP28 TP29
Q6006	F-3	TP3	A-4	H-2 E-2
Q6007	G-2	TP4	H-2	A-2
Q6008	D-3	TP5	B-4	I-2
Q6009	D-2	TP6	A-4	A-2
Q6010	C-2	TP7	B-4	TP33
Q6011	C-2	TP8	B-4	TP204 TP205
Q6012	C-2	TP9	B-4	I-4 I-3
Q6013	D-2	TP10	B-4	TP210 TP211
Q6014	D-2	TP11	A-3	A-3
Q6015	G-2	TP12	B-4	TP213 TP214
Q6016	G-2	TP13	A-2	A-3 I-4
Q6017	F-2	TP14	A-2	TP215 TP218
Q6018	F-2	TP15	A-2	A-3 A-2
Q6019	E-2	TP16	A-2	TP219 TP220
Q6020	F-2	TP17	A-2	A-2
Q6021	D-3	TP18	A-2	TP221 TP223
Q6022	D-3	TP20	A-2	A-3
Q6023	F-3	TP21	A-2	
Q6024	G-3	TP22	A-2	
Q6038	H-2	TP23	A-2	
Q6731	H-2	TP24	B-2	
Q6921	I-3	TP25	D-2	



TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
SS-BOARD TXNSS10UPS
SS2-BOARD TNPA3217
SS3-BOARD TNPA3218

TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
SS-BOARD TXNSS10UPS
SS2-BOARD TNPA3217
SS3-BOARD TNPA3218

**SS2-BOARD (COMPONENT SIDE)
TNPA3217**

**SS3-BOARD (COMPONENT SIDE)
TNPA3218**

**SS-BOARD (COMPONENT SIDE)
TXNSS10UPS**

Parts Location

		SS-BOARD (COMPONENT SIDE)							
IC		Q6011	G-2	Q6038	A-2	TP			
IC6001	E-2	Q6012	G-2	Q6039	B-2	TP15V	H-4		
IC6002	F-3	Q6013	F-2	Q6040	B-3	TP023	B-4		
IC6003	D-3	Q6014	F-2	Q6041	C-3	TPSOS2	A-4		
IC6004	A-2	Q6015	C-2	Q6042	E-2	TPSOS3	H-2		
IC6005	B-4	Q6016	D-2	Q6043	E-2	TPSS1	B-2		
IC6006	H-2	Q6017	D-2	Q6044	D-3	TPSS4	F-4		
IC6007	C-3	Q6018	C-2	Q6045	D-3	TPVDA	C-4		
IC6009	A-2	Q6019	D-2	Q6046	F-2	TPVDA	B-4		
IC6201	H-2	Q6020	D-2	Q6211	E-4	TPVDA	H-4		
IC6202	D-4	Q6021	F-3	Q6212	C-4	TPVe	B-2		
IC6203	G-4	Q6022	F-3	Q6213	G-4	TPVSUS	H-4		
IC6204	B-4	Q6023	C-3	Q6214	G-4				
IC6205	D-4	Q6024	C-3	Q6215	F-4				
		Q6025	B-4	Q6216	F-4				
		Q6026	F-2	Q6217	G-4				
		Q6027	B-2	Q6218	G-4				
		Q6028	F-3	Q6219	F-4				
		Q6029	F-3	Q6220	F-4				
		Q6030	D-2	Q6222	D-4				
		Q6032	C-2	Q6223	D-4				
		Q6033	D-3	Q6224	C-4				
		Q6034	C-2	Q6731	A-2				
		Q6035	F-3	Q6036	E-2				
		Q6009	F-2	Q6037	E-2				
		Q6010	F-2	Q6921	A-3				

TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
SS-BOARD TXNSS10UPS
SS2-BOARD TNPA3217
SS3-BOARD TNPA3218

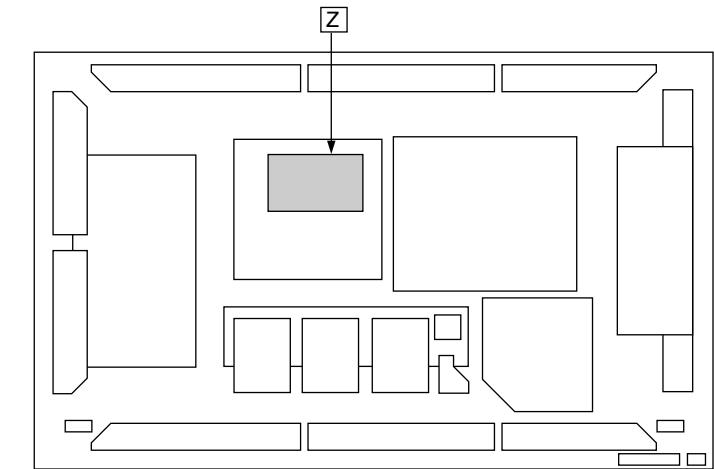
TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
SS-BOARD TXNSS10UPS
SS2-BOARD TNPA3217
SS3-BOARD TNPA3218

A B C D E F G H I

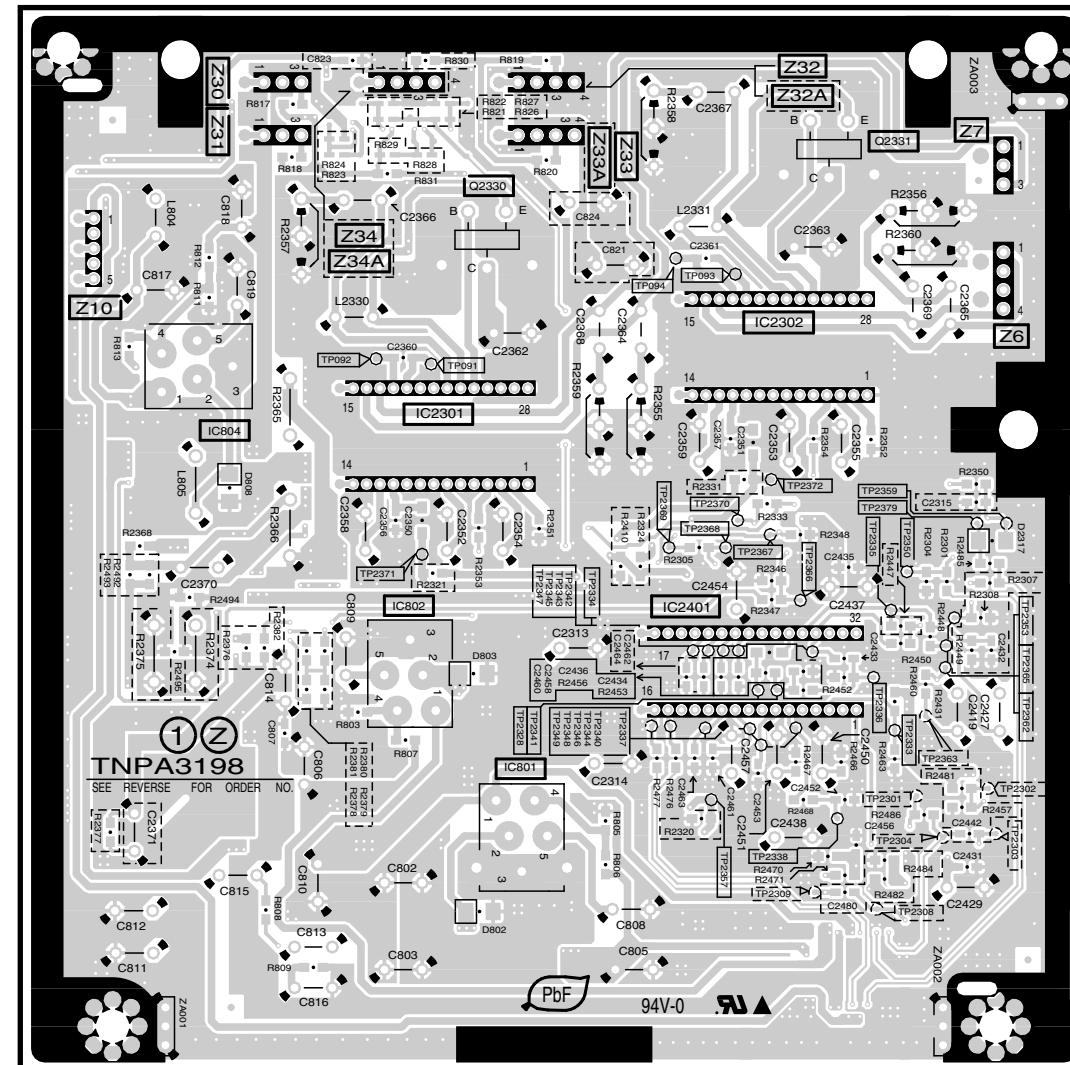
14.18. Z-Board

Z-BOARD (FOIL SIDE)					
IC		TP2303	D-2	TP2348	C-2
IC802	B-3	TP2304	D-2	TP2349	C-2
IC804	A-3	TP2308	D-2	TP2350	D-3
IC2301	B-3	TP2309	C-2	TP2353	D-3
IC2302	C-4	TP2328	B-2	TP2357	C-2
IC2401	C-3	TP2333	D-2	TP2359	D-3
TRANSISTOR		TP2334	C-3	TP2362	D-2
Q2330	B-4	TP2335	D-3	TP2363	D-2
Q2331	D-4	TP2336	D-2	TP2365	D-2
TP		TP2337	C-2	TP2366	C-3
		TP2338	C-2	TP2367	C-3
		TP2340	C-2	TP2368	C-3
		TP2341	C-2	TP2369	C-3
TP091	B-3	TP2342	C-3	TP2370	C-3
TP092	B-3	TP2343	C-3	TP2371	B-3
TP093	C-4	TP2344	C-2	TP2372	C-3
TP094	C-4	TP2345	C-3	TP2379	D-3
TP2301	D-2	TP2346	C-2		
TP2302	D-2	TP2347	C-3		

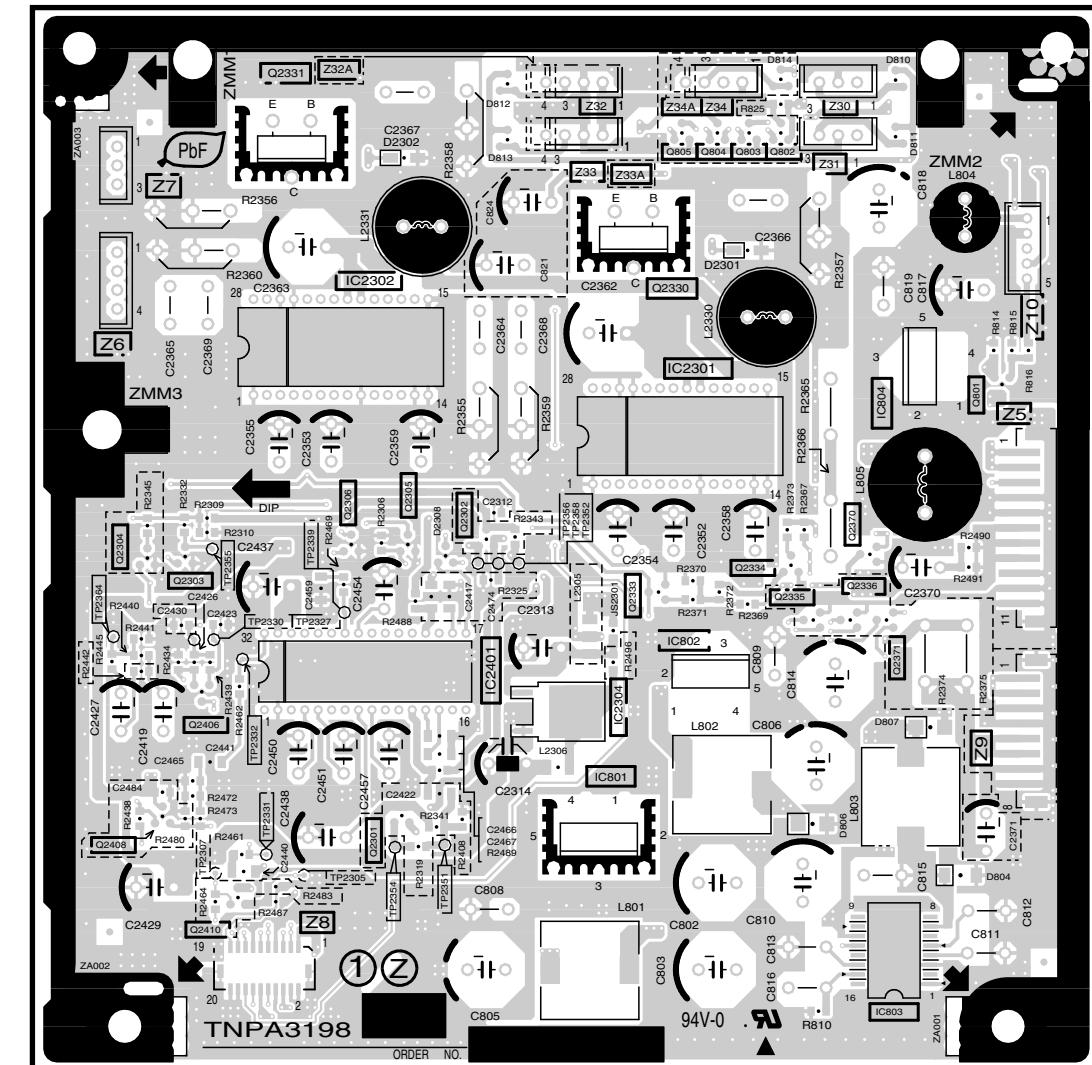
Z-BOARD (COMPONENT SIDE)					
IC				TP	
IC801	G-2	Q2303	F-3		
IC802	G-2	Q2304	E-3		
IC803	H-1	Q2305	F-3	TP2331	F-2
IC804	H-3	Q2306	F-3	TP2332	F-2
IC2301	G-3	Q2330	G-3	TP2339	F-3
IC2302	F-4	Q2331	F-4	TP2351	F-2
IC2304	G-2	Q2333	G-3	TP2354	F-2
IC2401	G-2	Q2334	G-3	TP2355	F-3
		Q2335	H-3	TP2364	E-3
		Q2336	H-3		
		Q2370	H-3		
TRANSISTOR		Q2371	H-2		
Q801	H-3	Q2406	F-2		
Q802	H-4	Q2408	E-2		
Q803	G-4	Q2410	F-2		
Q804	G-4				
Q805	G-4				
Q2301	F-2				
Q2302	F-3				



**Z-BOARD(FOIL SIDE)
TNPA3198AB**



**Z-BOARD(COMPONENT SIDE)
TNPA3198AB**

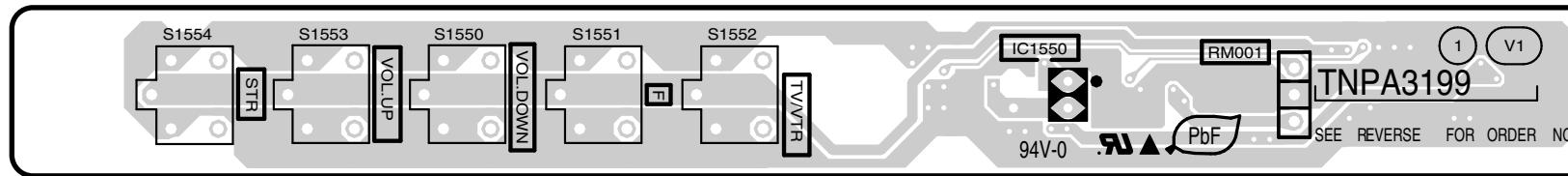


TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
Z-BOARD TNPA3198AB

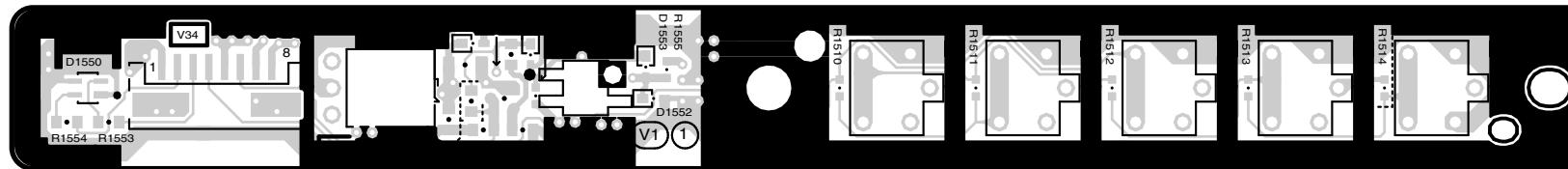
TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
Z-BOARD TNPA3198AB

14.19. H3, S1 and V1-Board

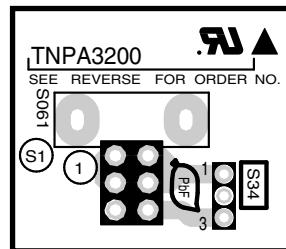
V1-BOARD(FOIL SIDE)
TNPA3199



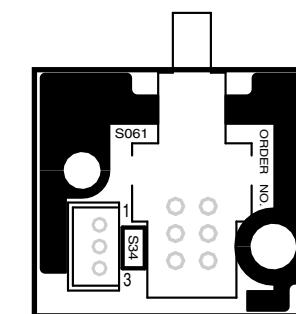
V1-BOARD(COMPONENT SIDE)
TNPA3199



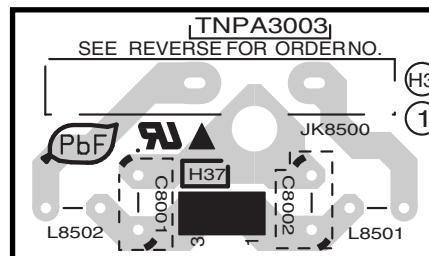
S1-BOARD(FOIL SIDE)
TNPA3200



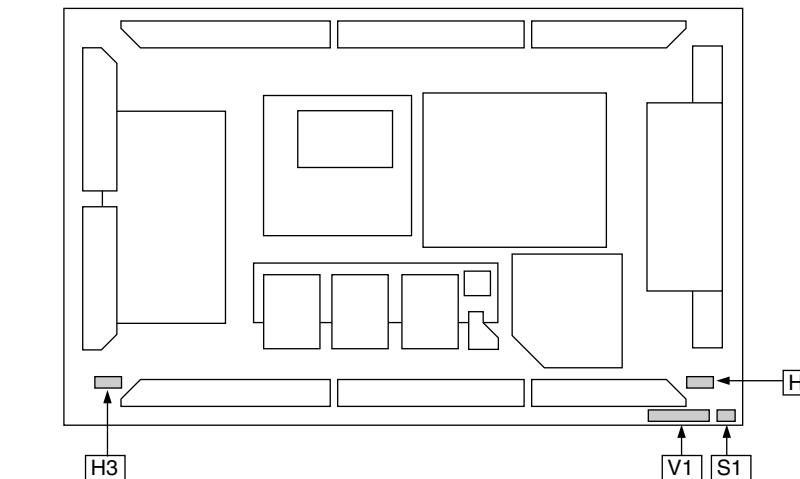
S1-BOARD(COMPONENT SIDE)
TNPA3200



H3-BOARD
TNPA3003



TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
V1-BOARD TNPA3199 S1-BOARD TNPA3200
H3-BOARD TNPA3003



TH-50PHD7BK/BS/EK/ES/UY
TH-50PHW7BX/EX
V1-BOARD TNPA3199 S1-BOARD TNPA3200
H3-BOARD TNPA3003

15 Schematic Diagrams

15.1. Schematic Diagram Notes

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Notes:

- Resistor**
Unit of resistance is OHM [Ω] ($K=1,000$, $M=1,000,000$).

- Capacitor**
Unit of capacitance is μF , unless otherwise noted.
- Coil**
Unit of inductance is H, unless otherwise noted.

- Test Point**
 : Test Point position

- Earth Symbol**
 : Chassis Earth (Cold)

 : Line Earth (Hot)

- Voltage Measurement**

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Power Source AC120V, 50/60Hz (UY version)
AC220-240V, 50/60Hz (Except version)

Receiving Signal Colour Bar signal (RF)

All customer's controls Maximum positions

- When arrow mark (\nearrow) is found, connection is easily found from the direction of arrow.

- Indicates the major signal flow.  : Video \rightarrow  : Audio

- This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

- The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.

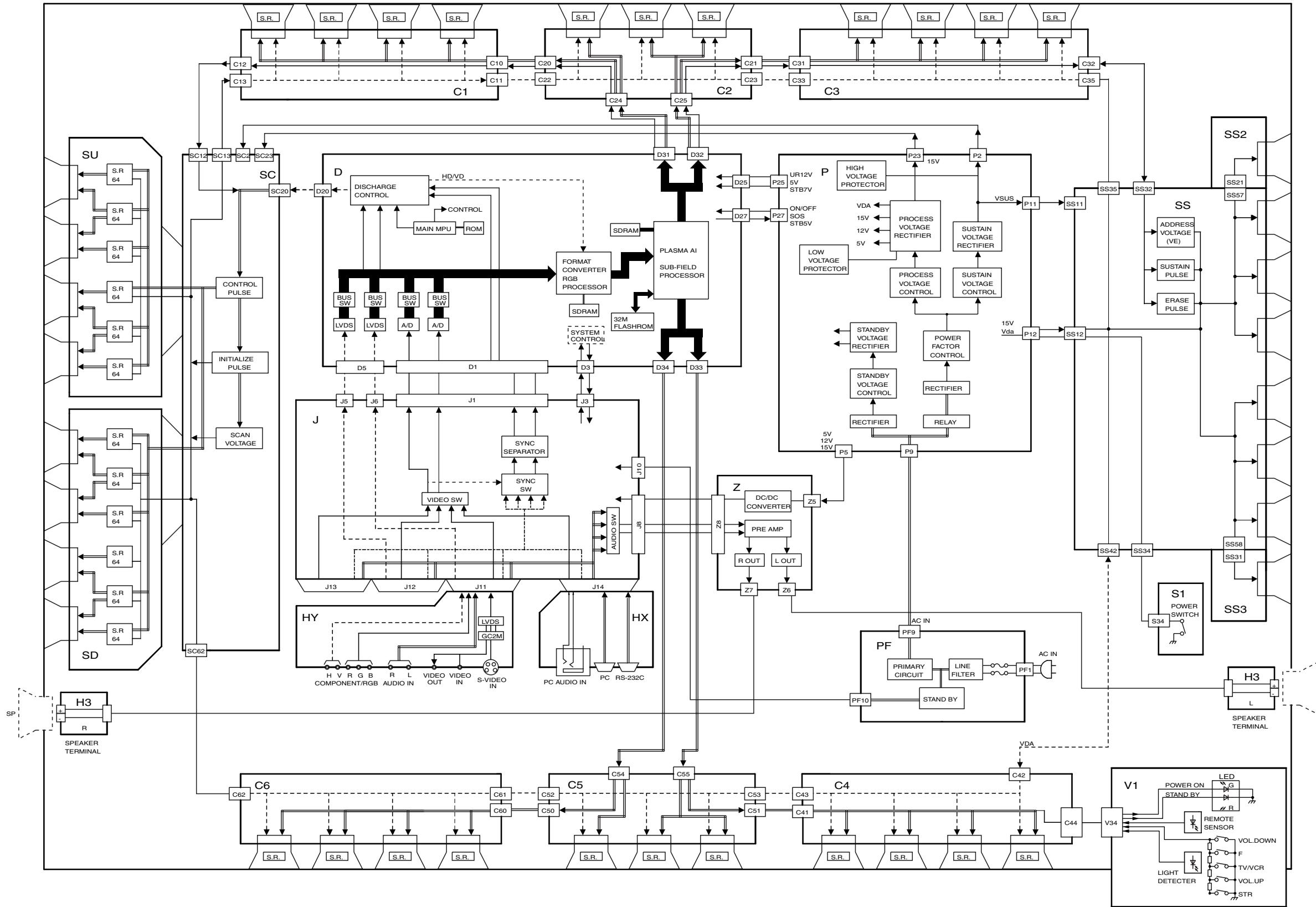
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.

All circuits, except the Power Circuit, are cold.

Precautions

- Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
- Do not short-circuit the hot and cold circuits or a fuse may blow and parts may break.
- Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
- Make sure to disconnect the power plug before removing the chassis.

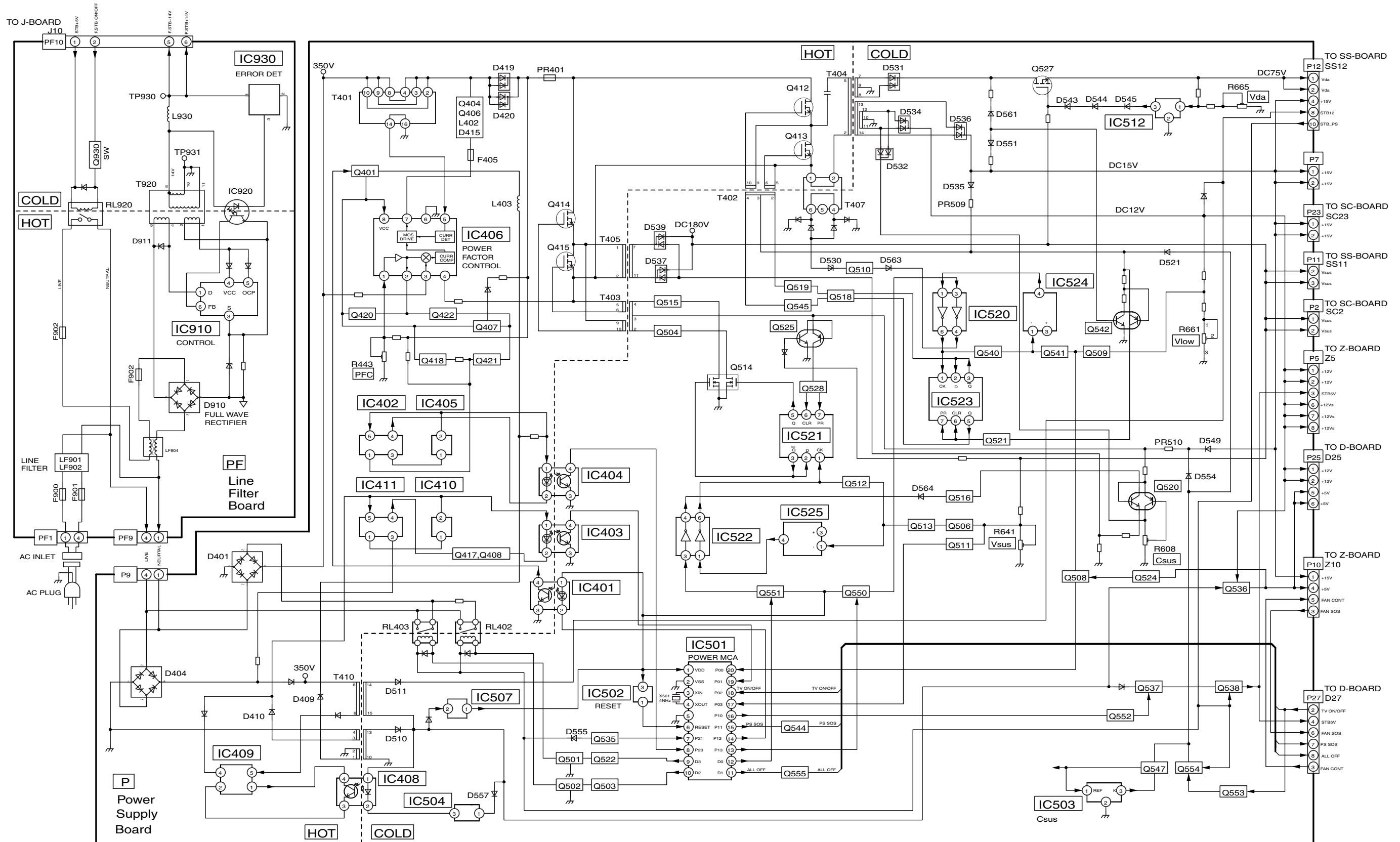
15.2. Main Block Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
Main Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
Main Block Diagram

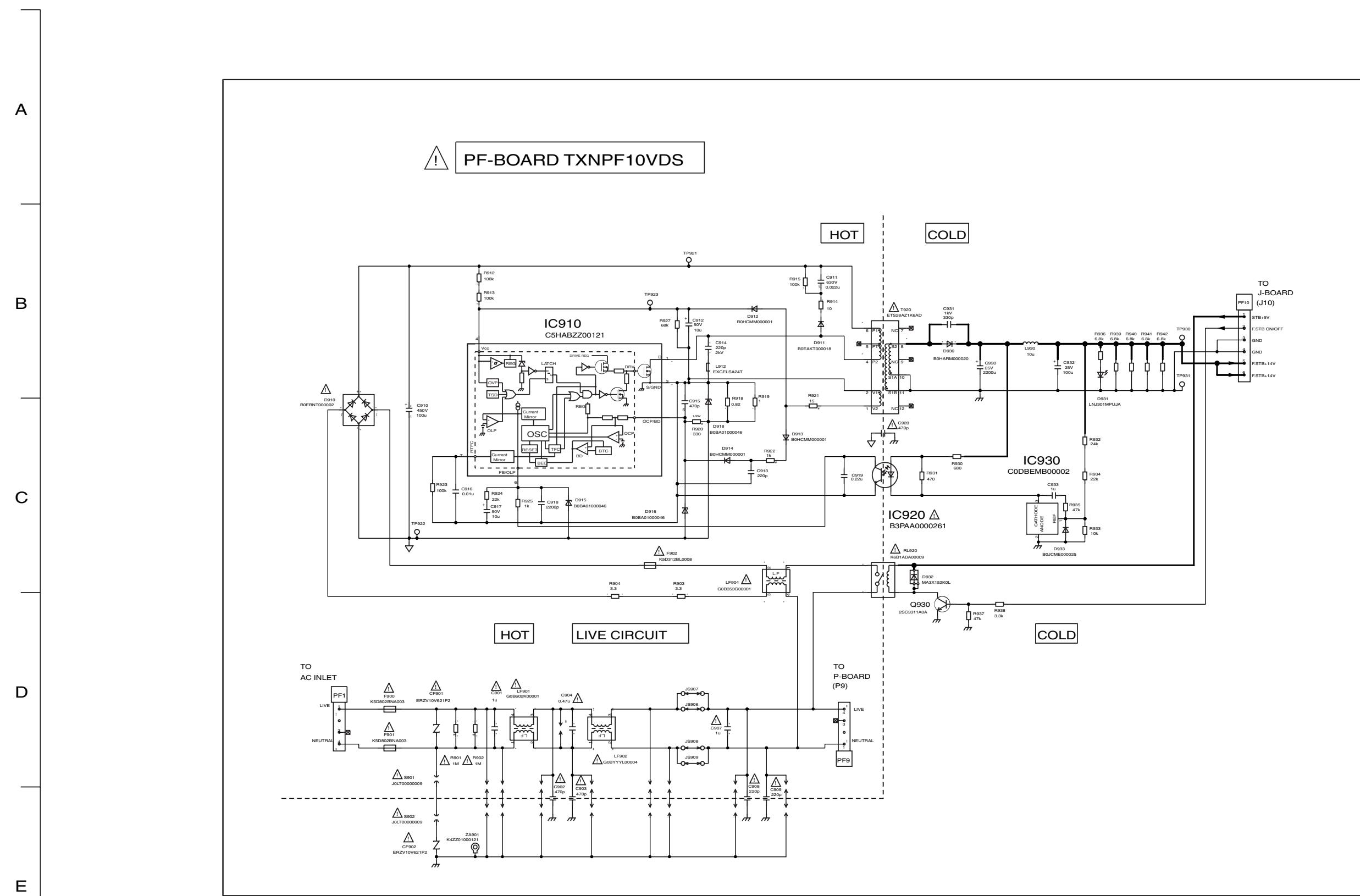
15.3. PF and P-Board Block Diagram



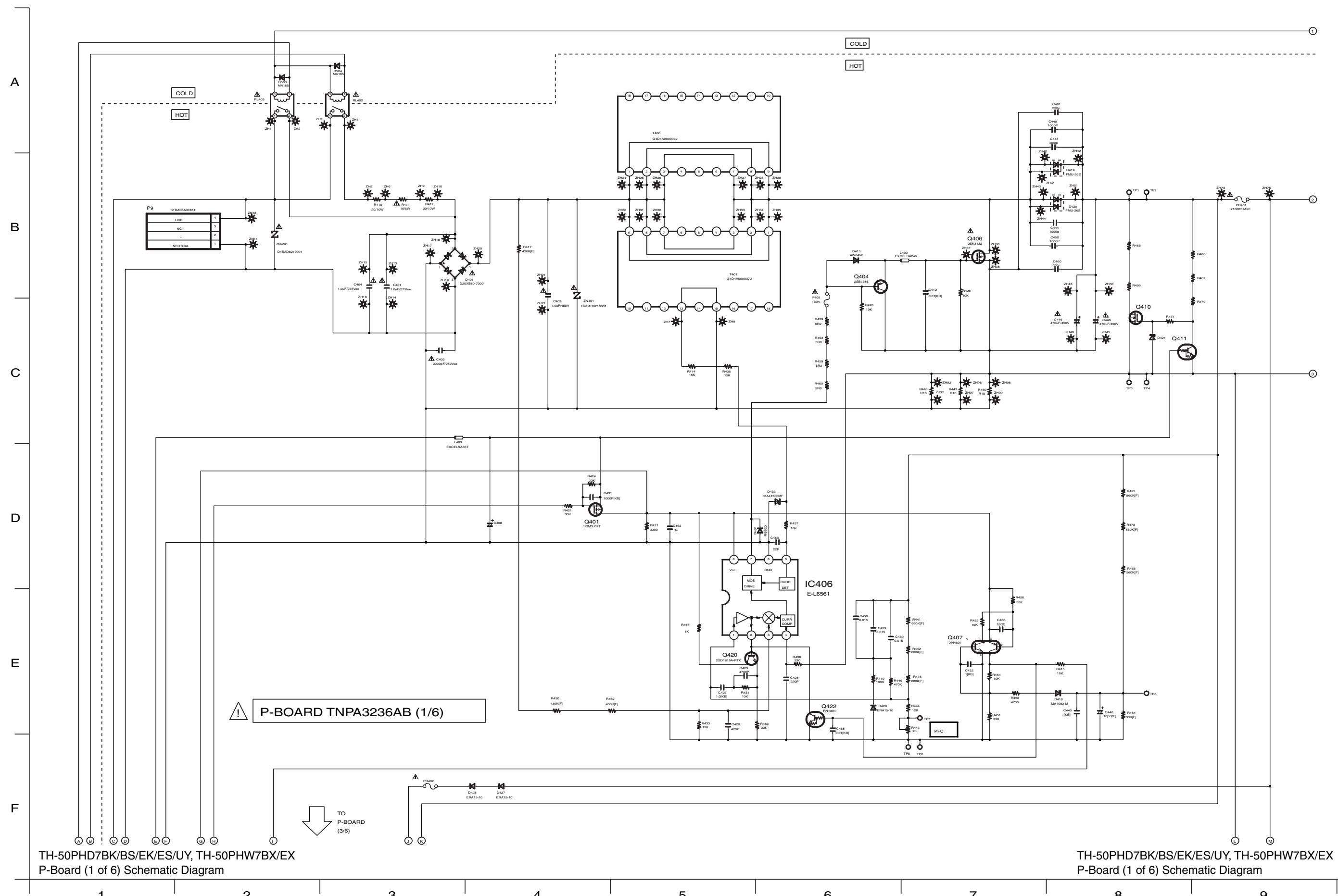
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
PF and P-Board Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
PF and P-Board Block Diagram

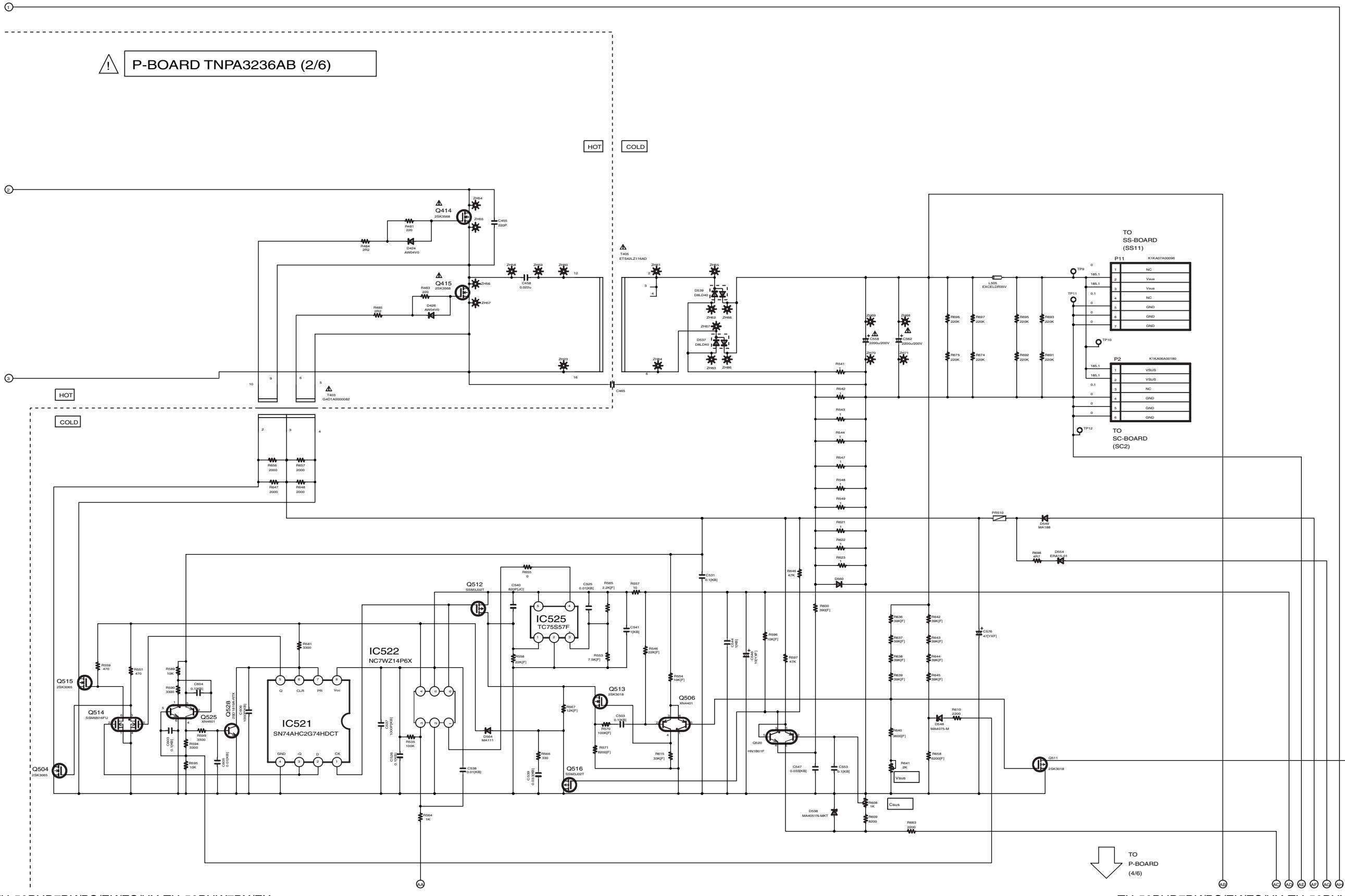
15.4. PF-Board Schematic Diagram



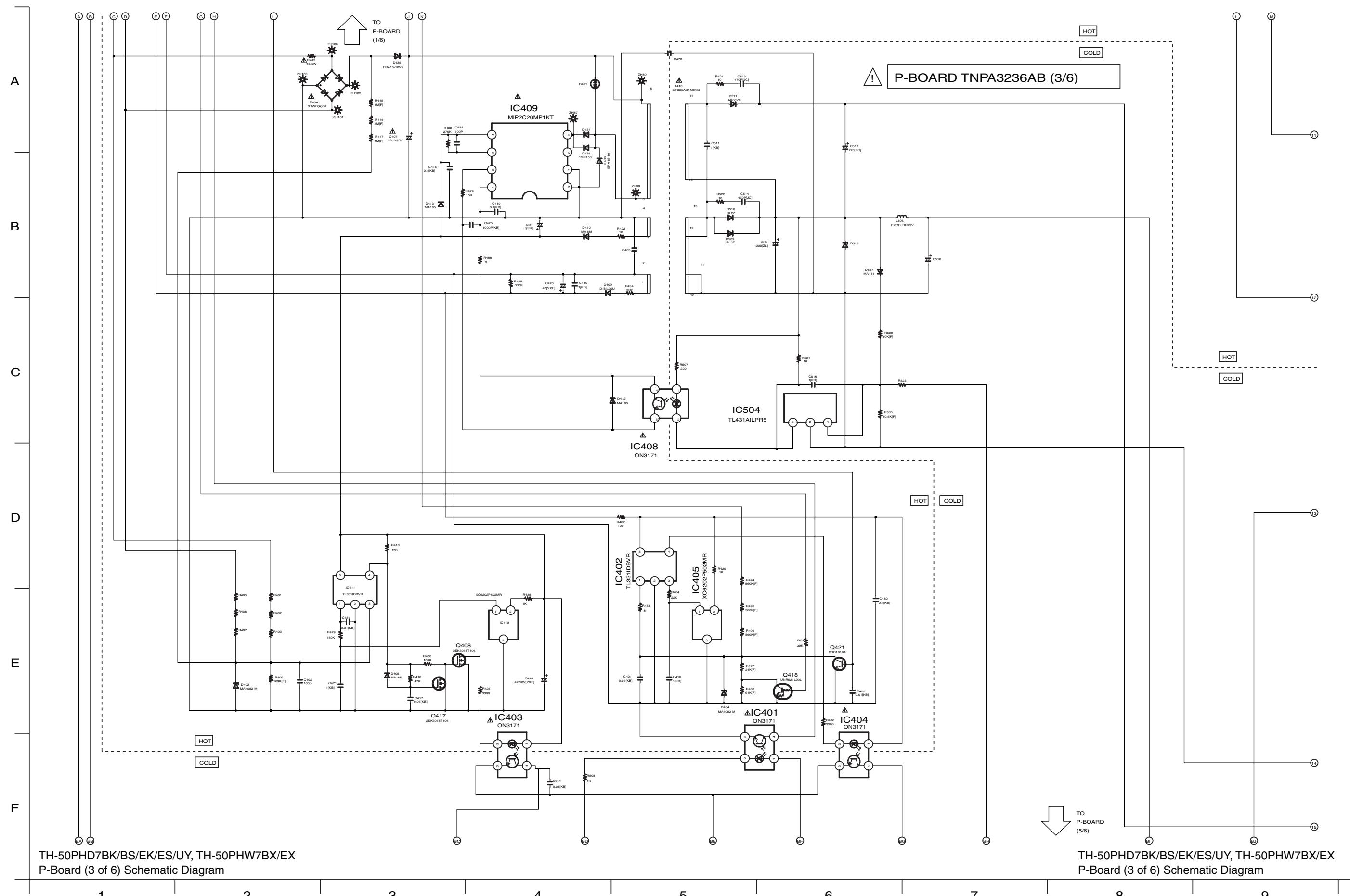
15.5. P-Board (1 of 6) Schematic Diagram



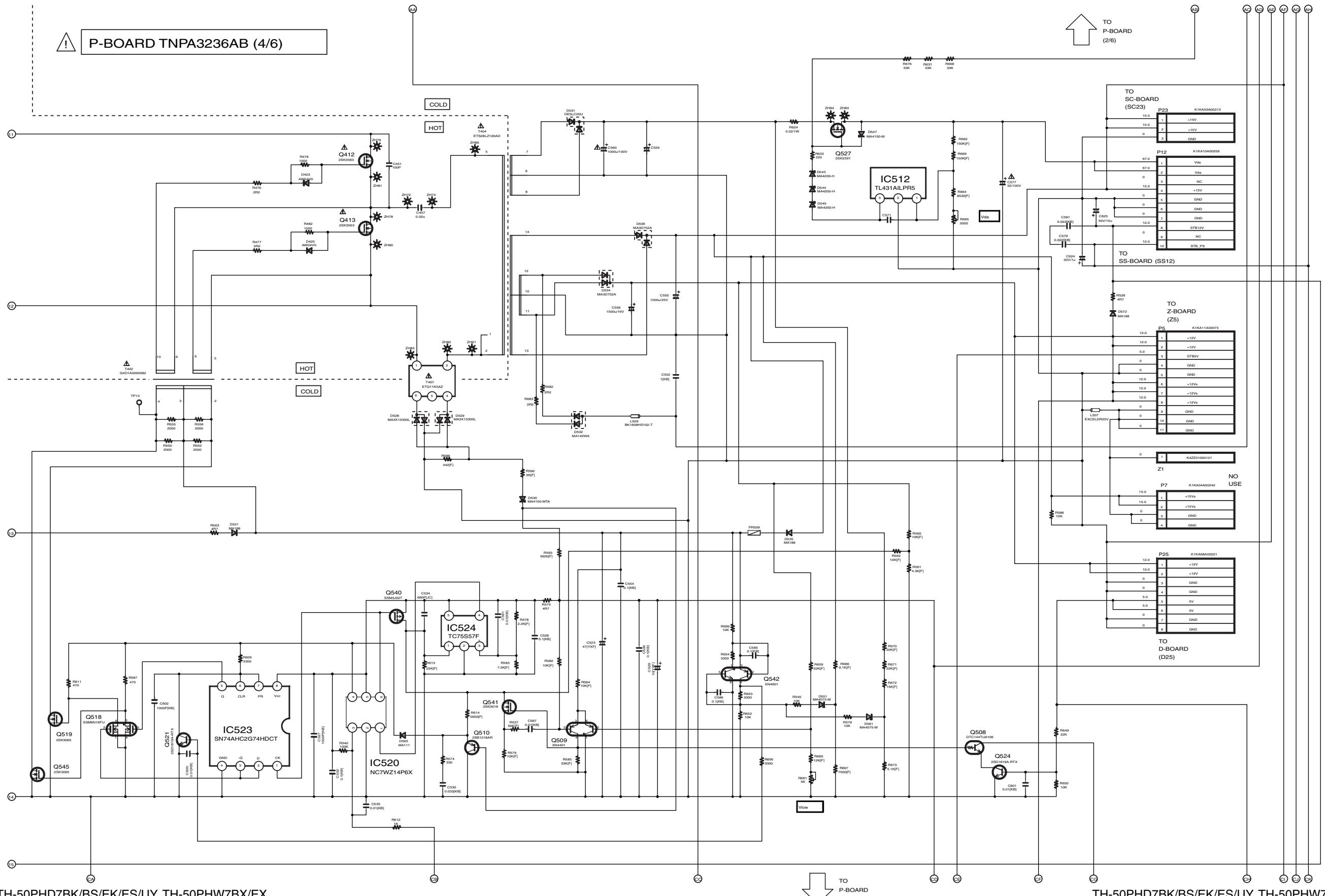
15.6. P-Board (2 of 6) Schematic Diagram



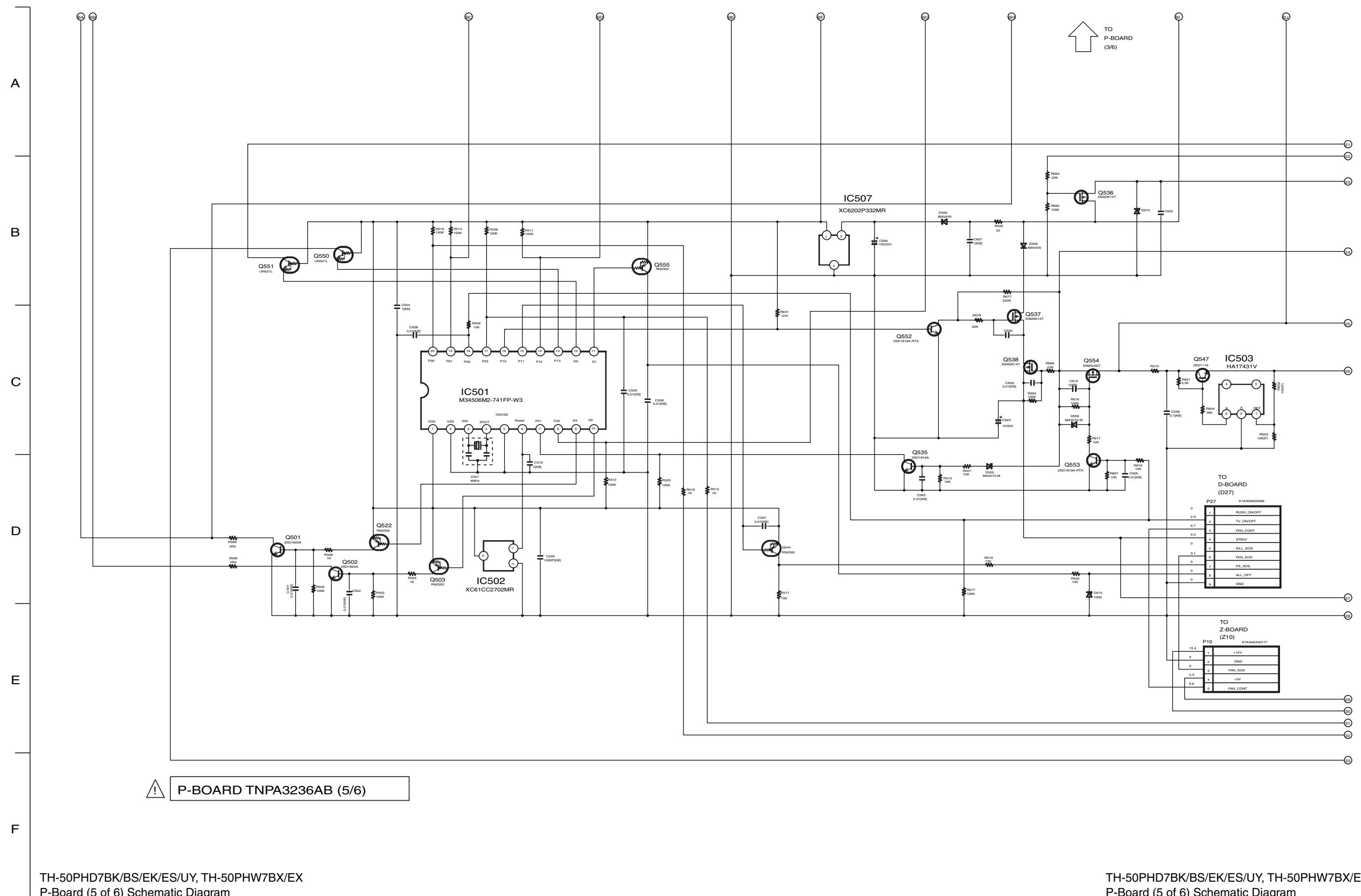
15.7. P-Board (3 of 6) Schematic Diagram



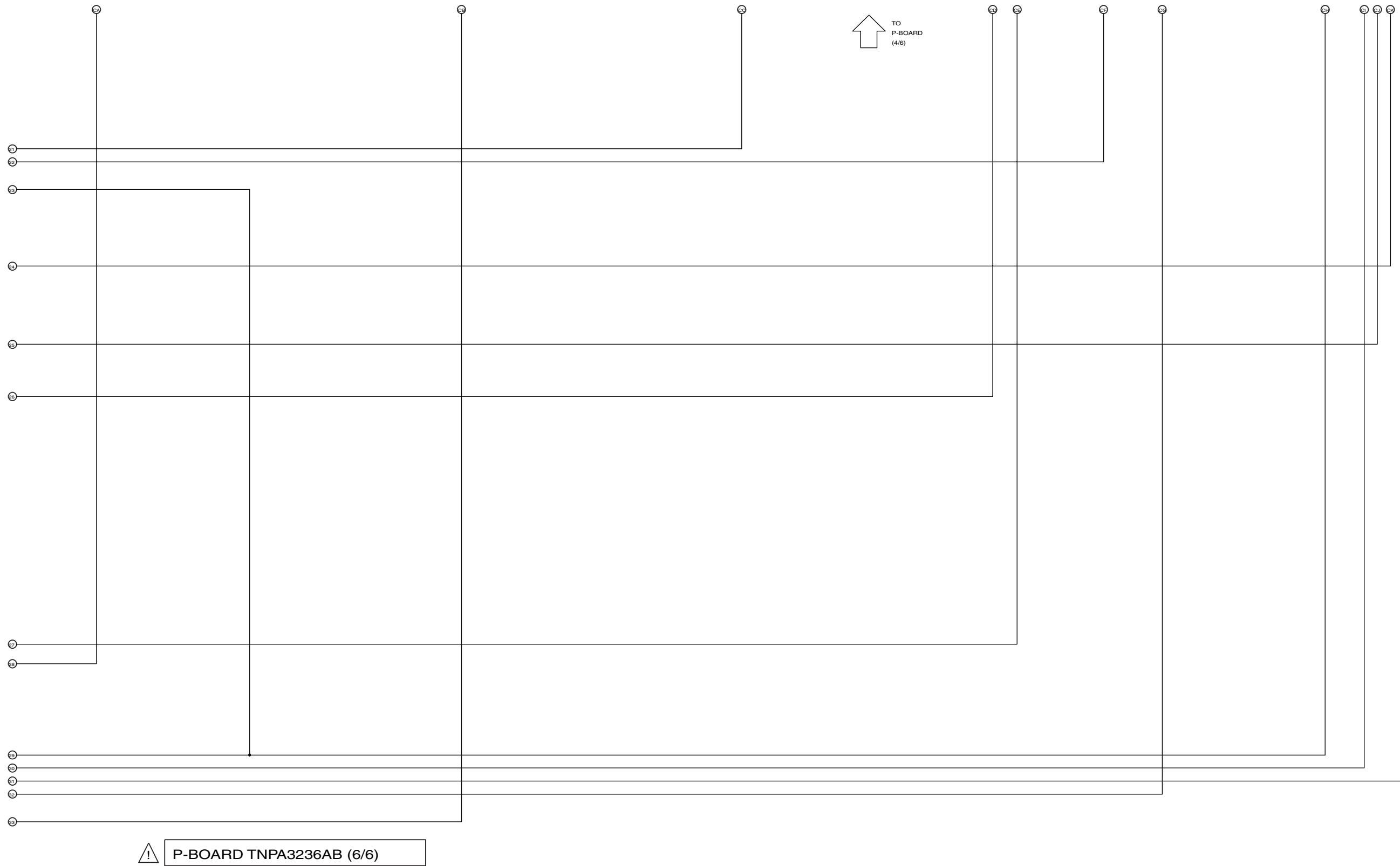
15.8. P-Board (4 of 6) Schematic Diagram



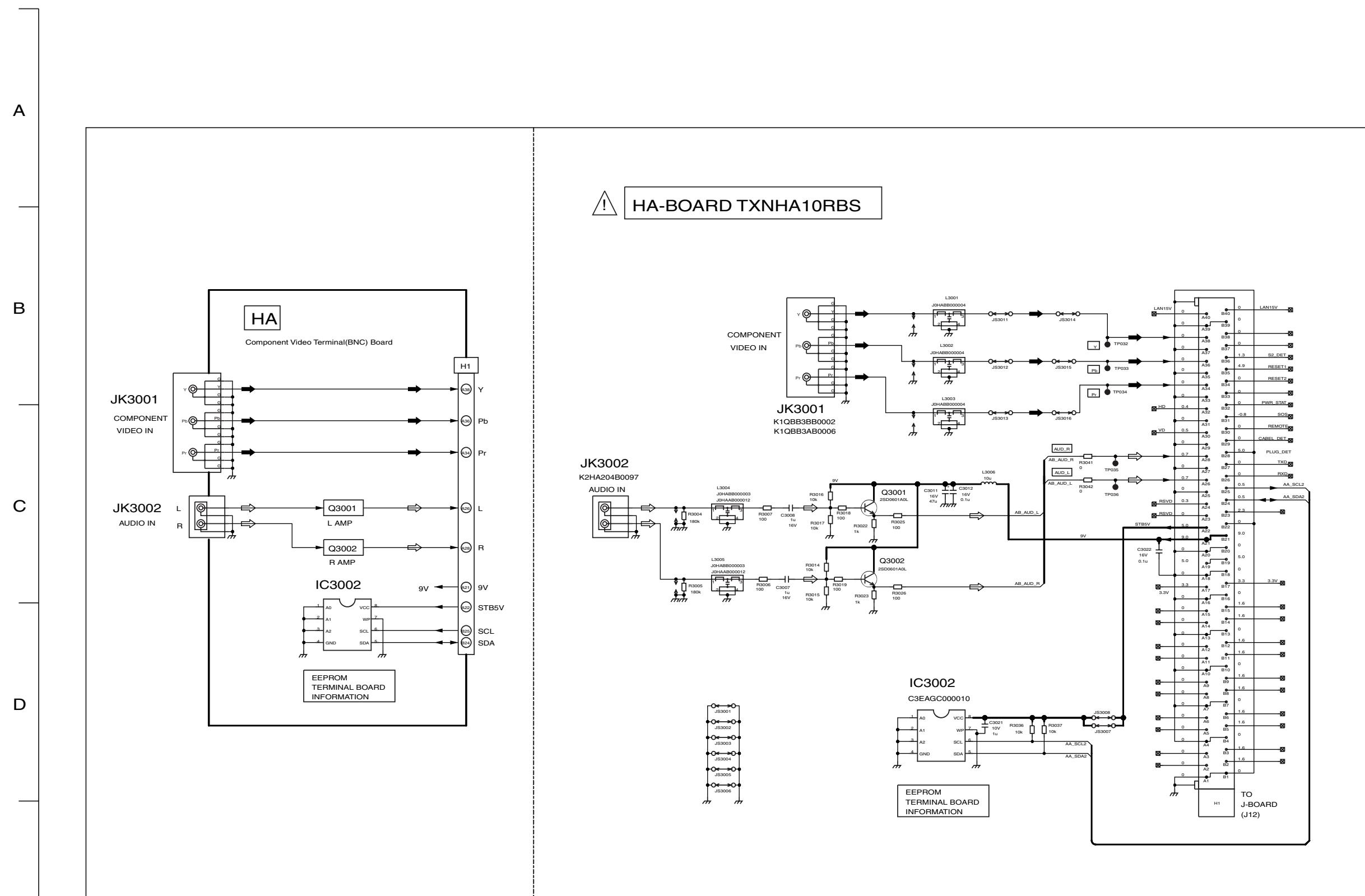
15.9. P-Board (5 of 6) Schematic Diagram



15.10. P-Board (6 of 6) Schematic Diagram



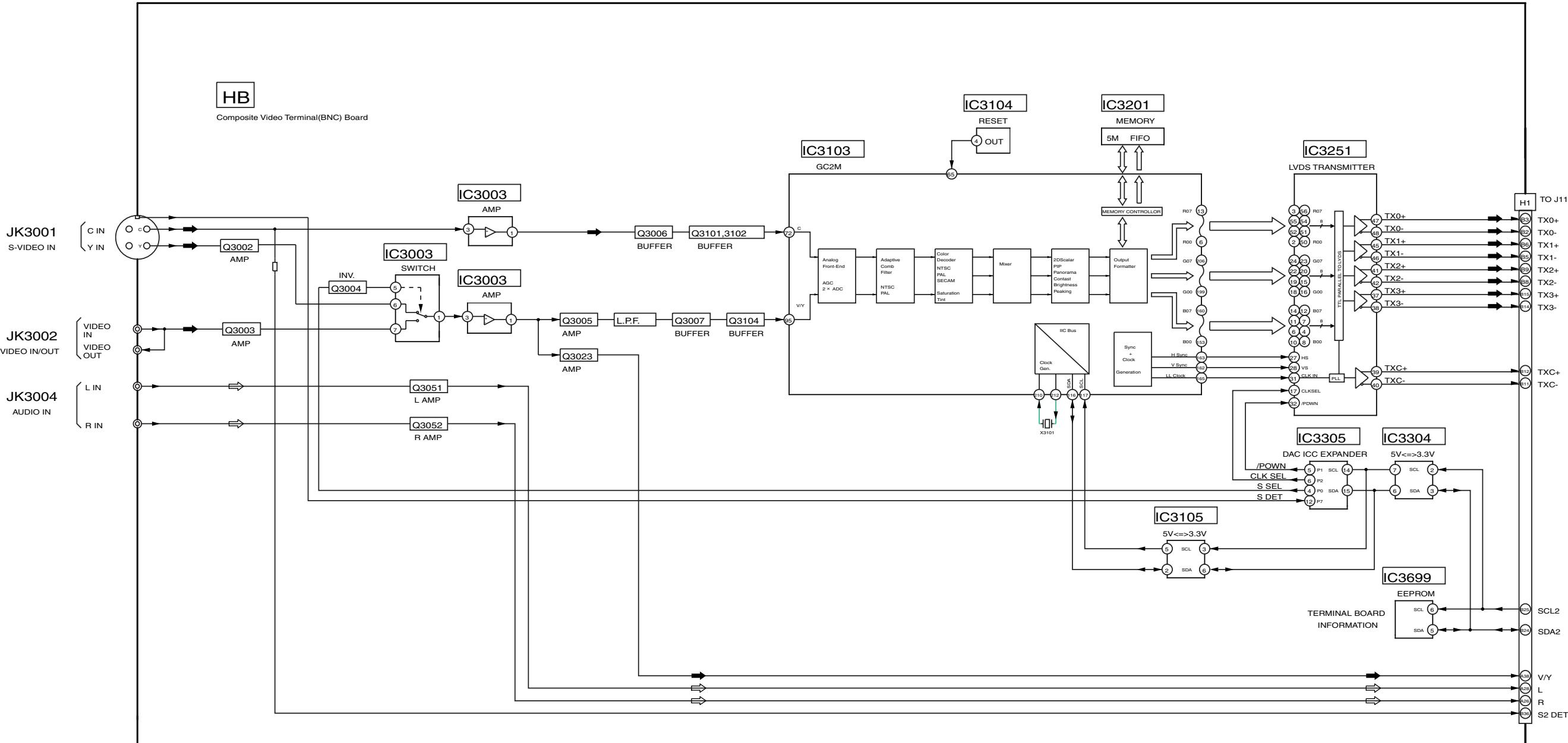
15.11. HA-Board Block Diagram and Schematic Diagram



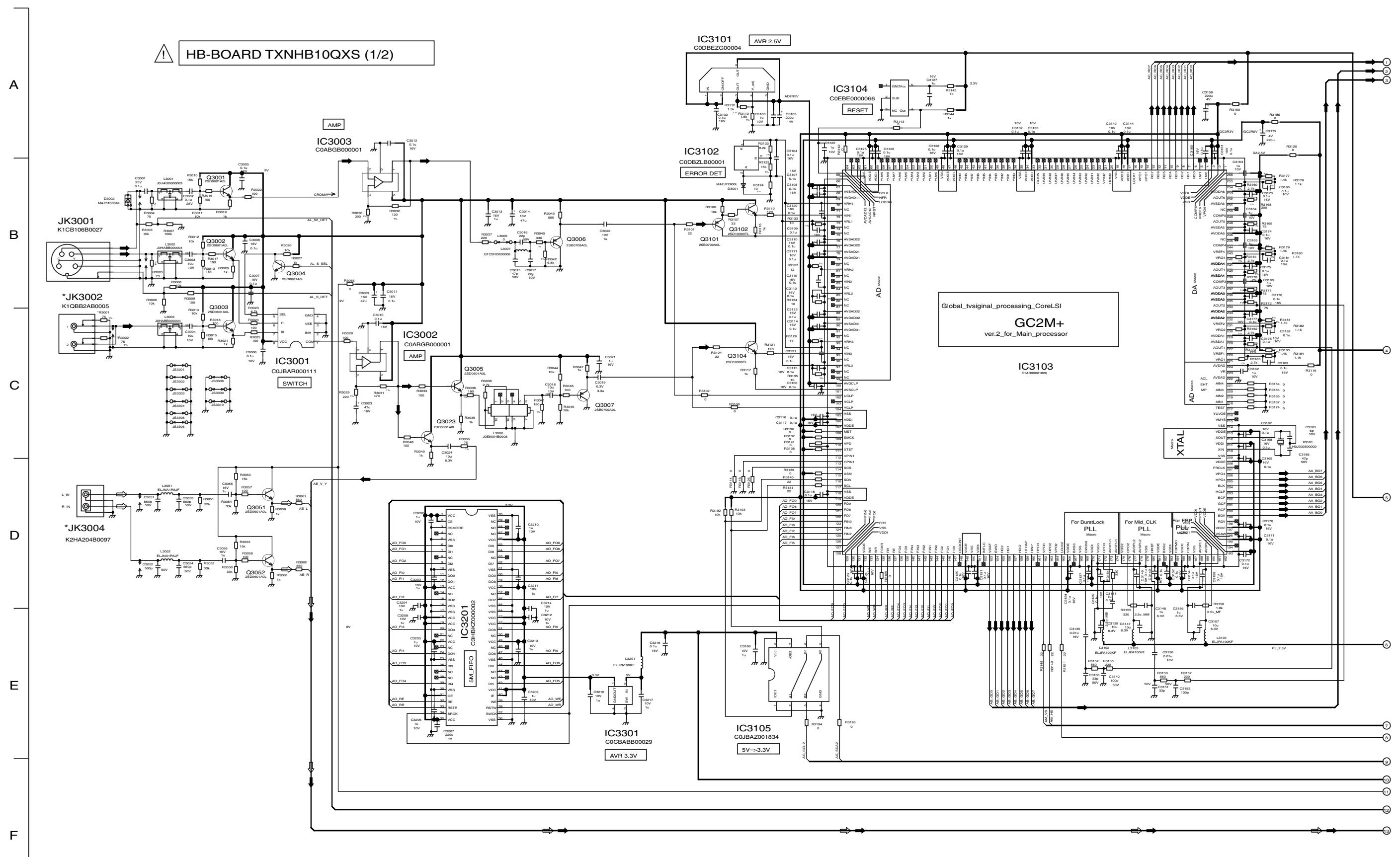
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
HA-Board Block and Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
HA-Board Block and Schematic Diagram

15.12. HB-Board Block Diagram



15.13. HB-Board (1 of 2) Schematic Diagram

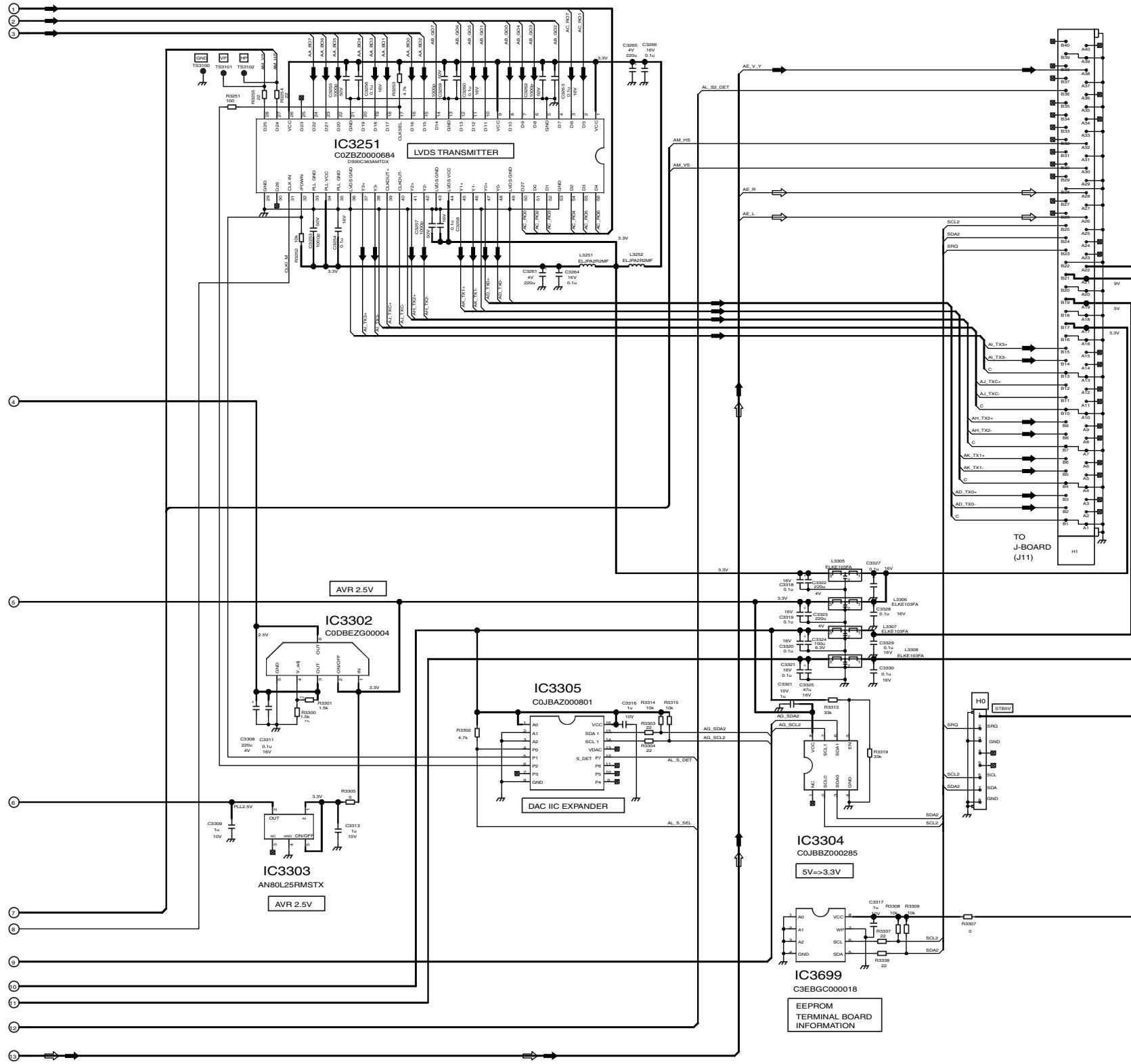


TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
HB-Board (1 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
HB-Board (1 of 2) Schematic Diagram

15.14. HB-Board (2 of 2) Schematic Diagram

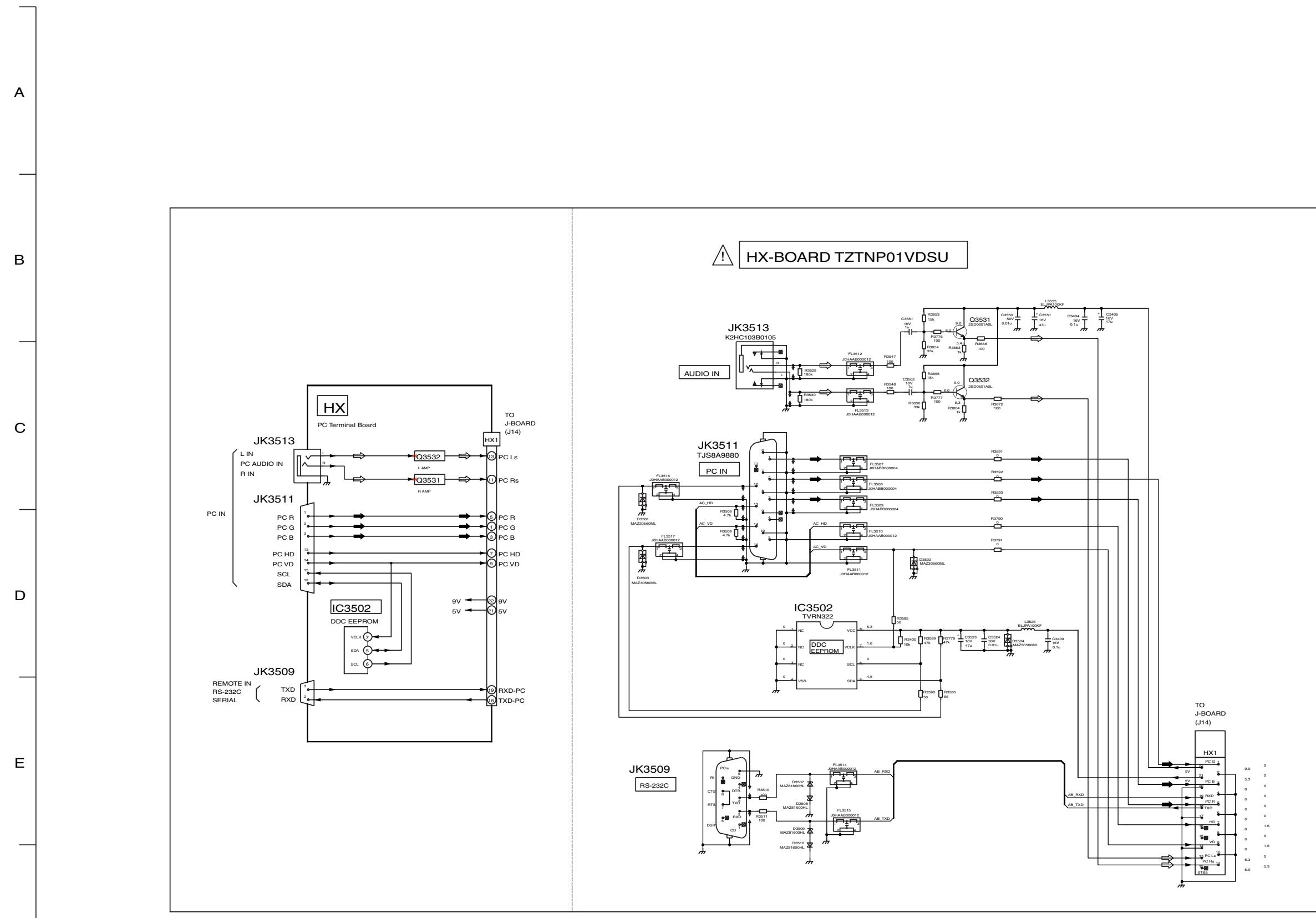
 HB-BOARD TXNHB10QXS (2/2)



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
HB-Board (2 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
HB-Board (2 of 2) Schematic Diagram

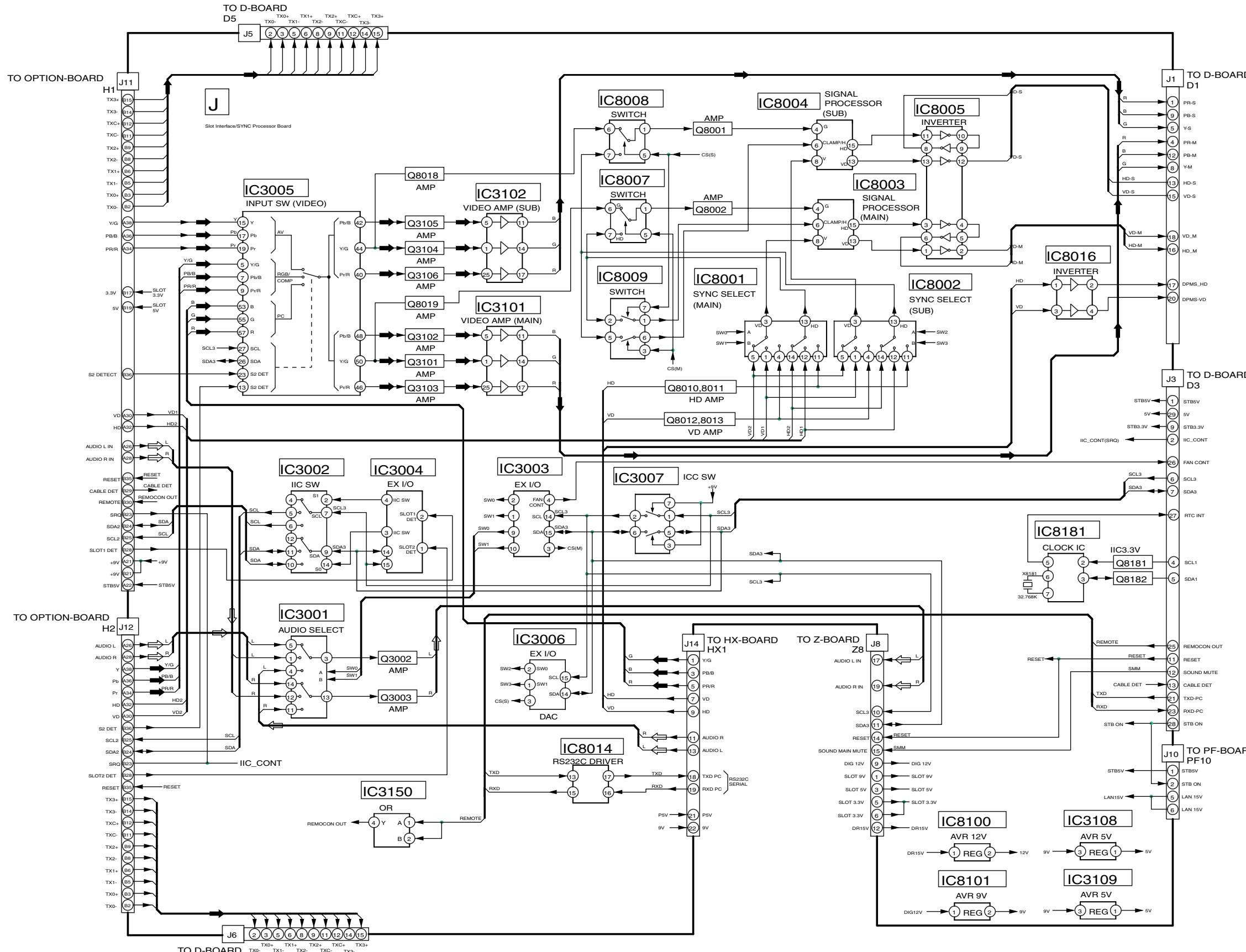
15.15. HX-Board Block Diagram and Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EK HX-Board Block and Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX HX-Board Block and Schematic Diagram

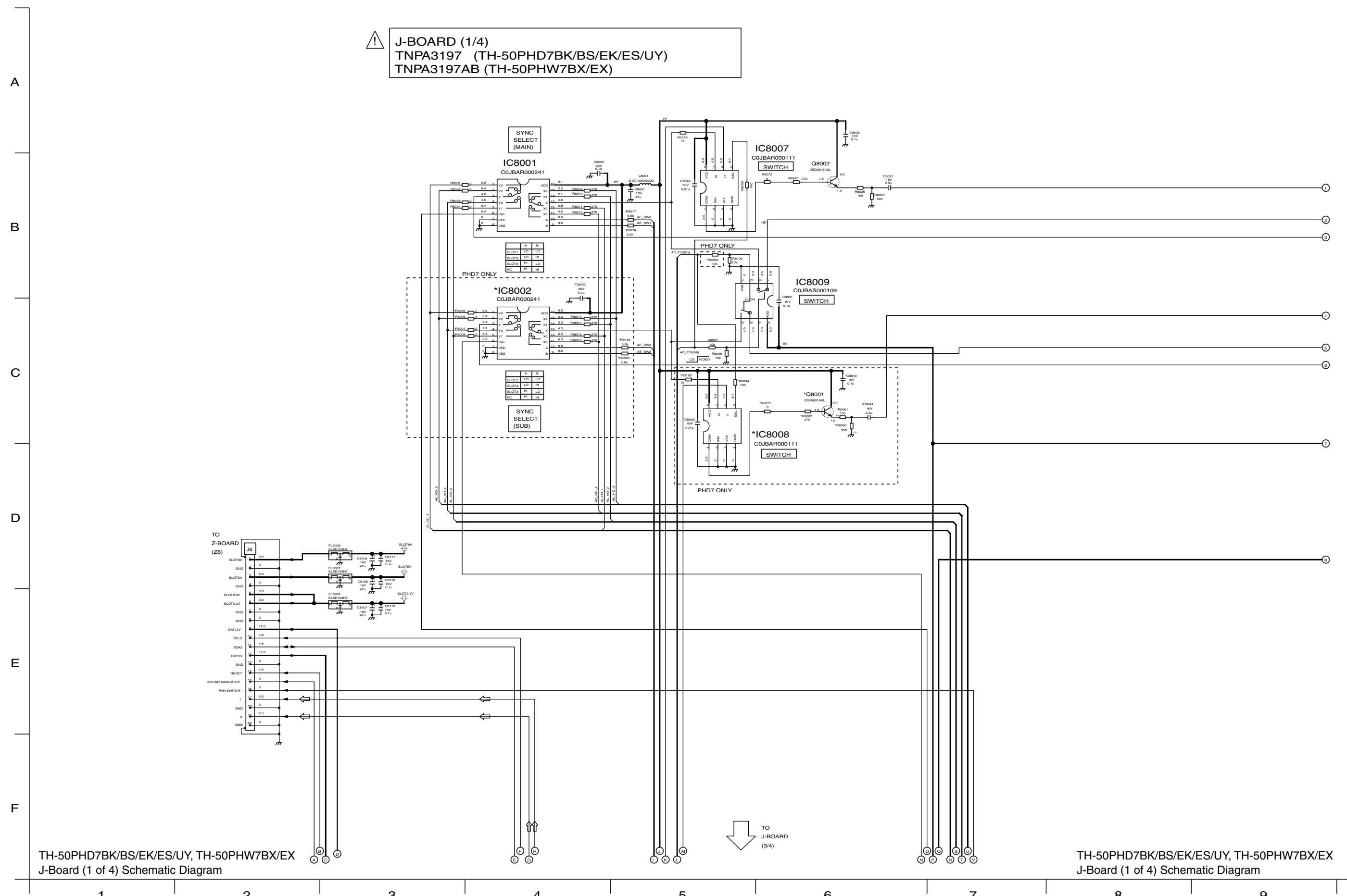
15.16. J-Board Block Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX J-Board Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX J-Board Block Diagram

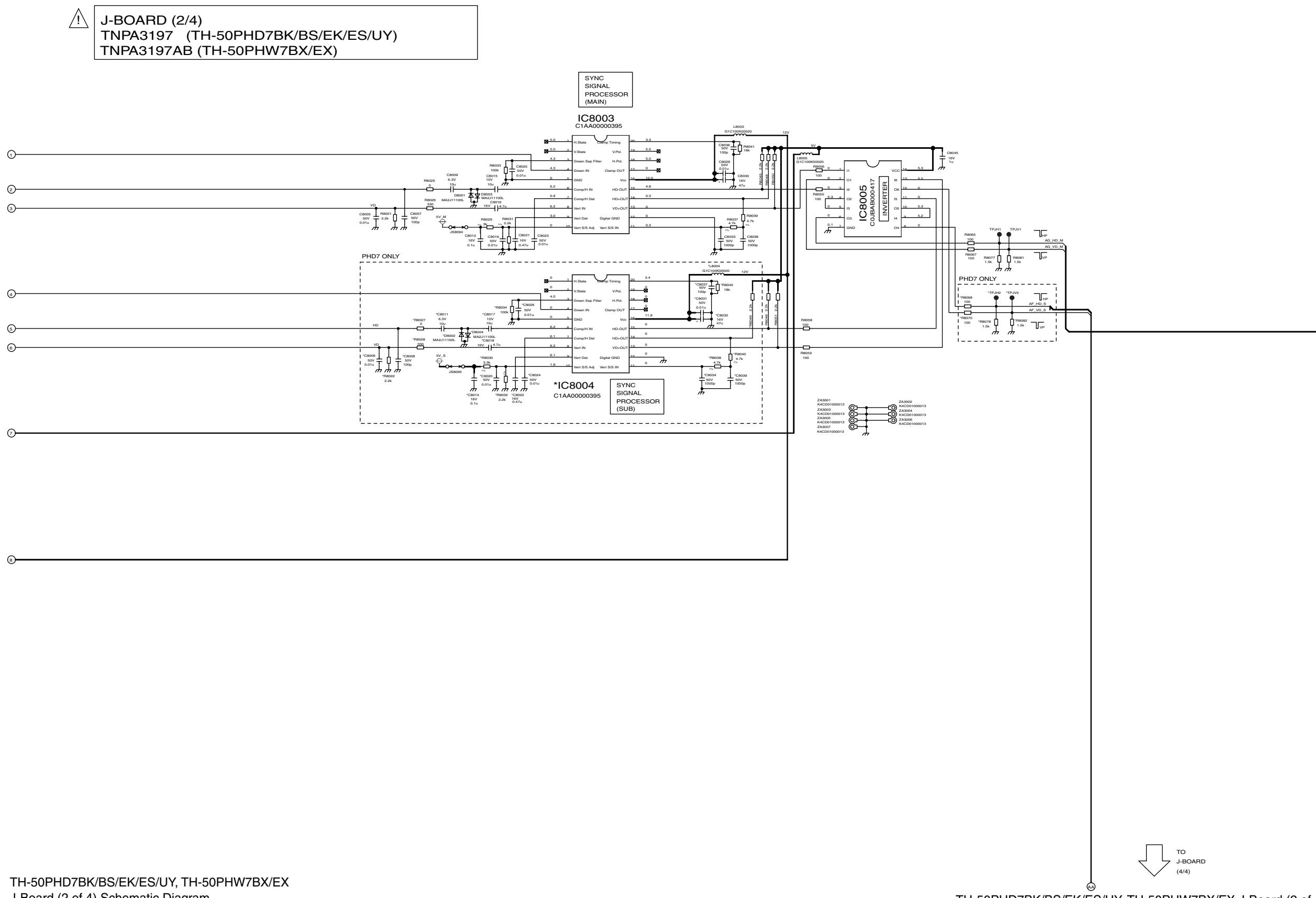
15.17. J-Board (1 of 4) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
J-Board (1 of 4) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
J-Board (1 of 4) Schematic Diagram

15.18. J-Board (2 of 4) Schematic Diagram

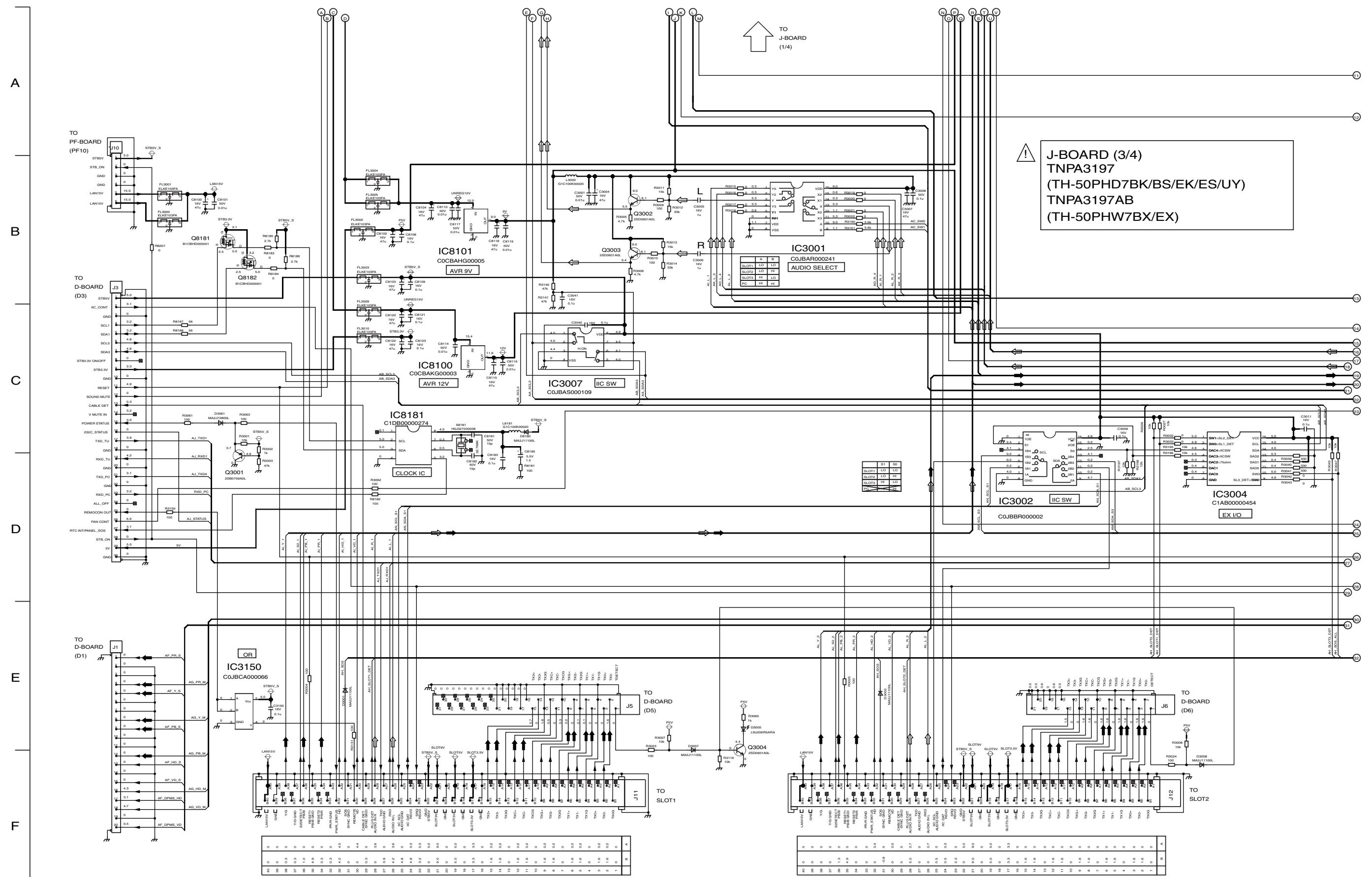


TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
J-Board (2 of 4) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX J-Board (2 of 4) Schematic Diagram

10 11 12 13 14 15 16 17 18

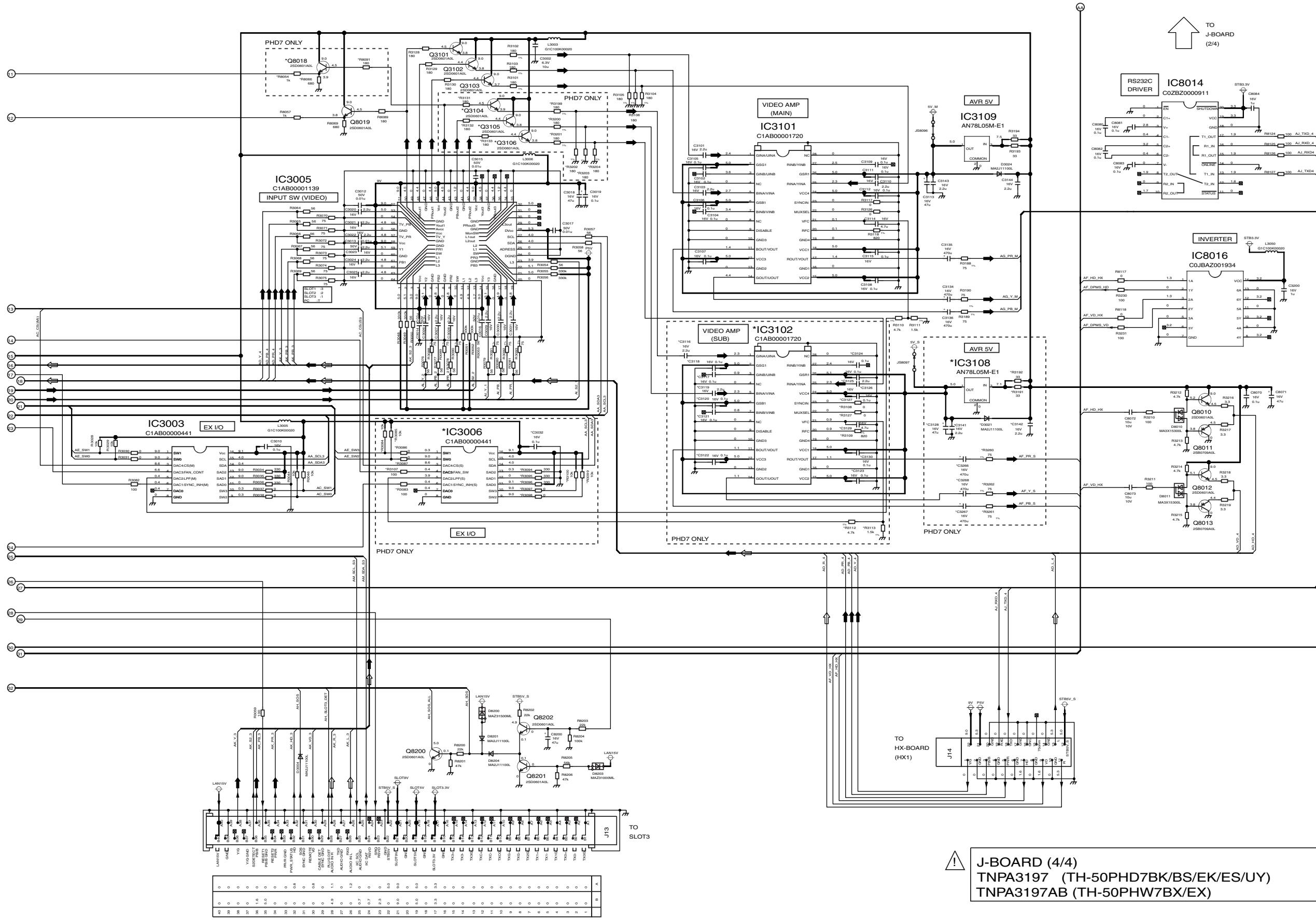
15.19. J-Board (3 of 4) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX J-Board (3 of 4) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX J-Board (3 of 4) Schematic Diagram

15.20. J-Board (4 of 4) Schematic Diagram

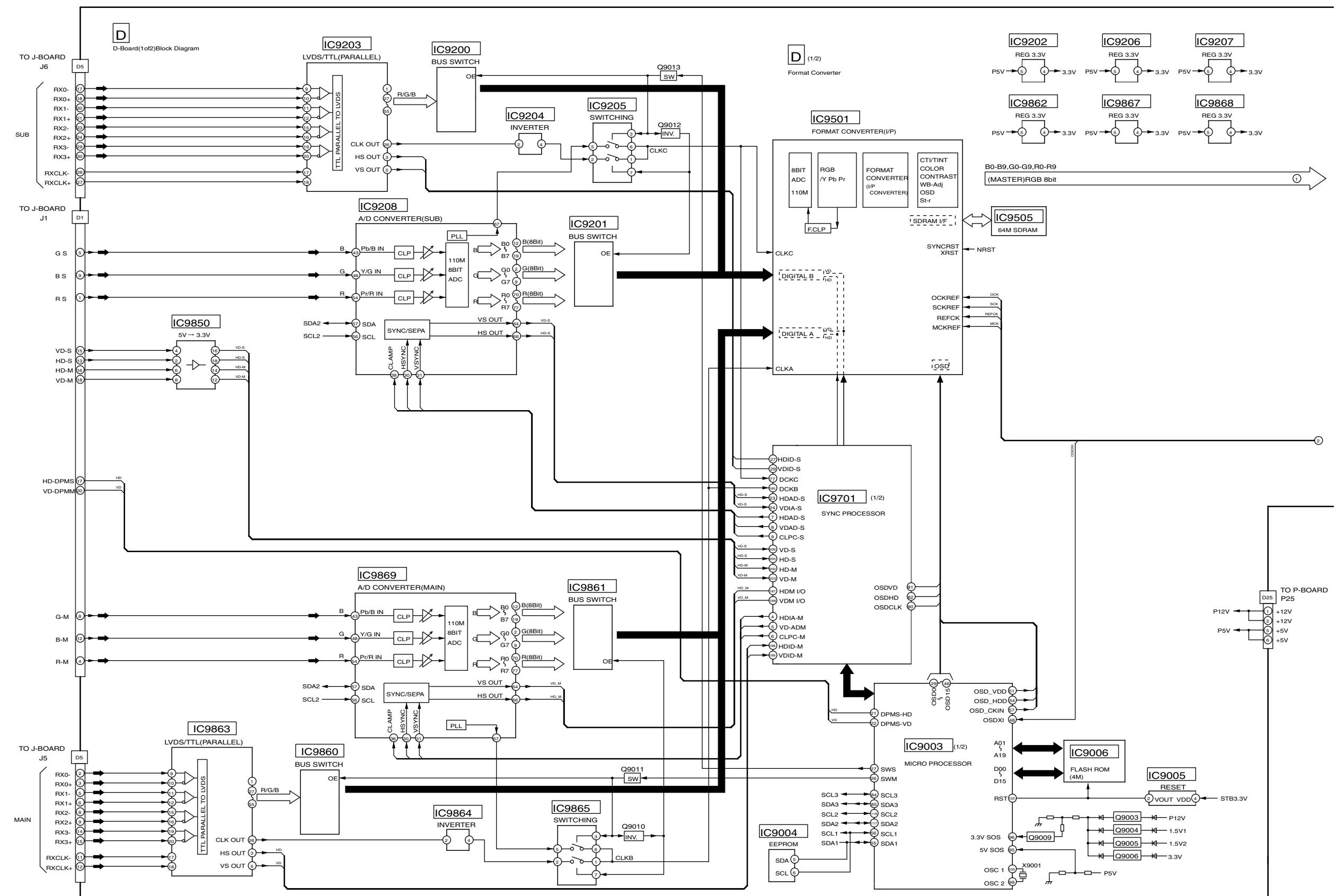


TH-50PHD7BK/EK/UY, TH-50PHW7BX/EX J-Board (4 of 4) Schematic Diagram

TH-50PHD7BK/EK/UY, TH-50PHW7BX/EX J-Board (4 of 4) Schematic Diagram

10 11 12 13 14 15 16 17 18

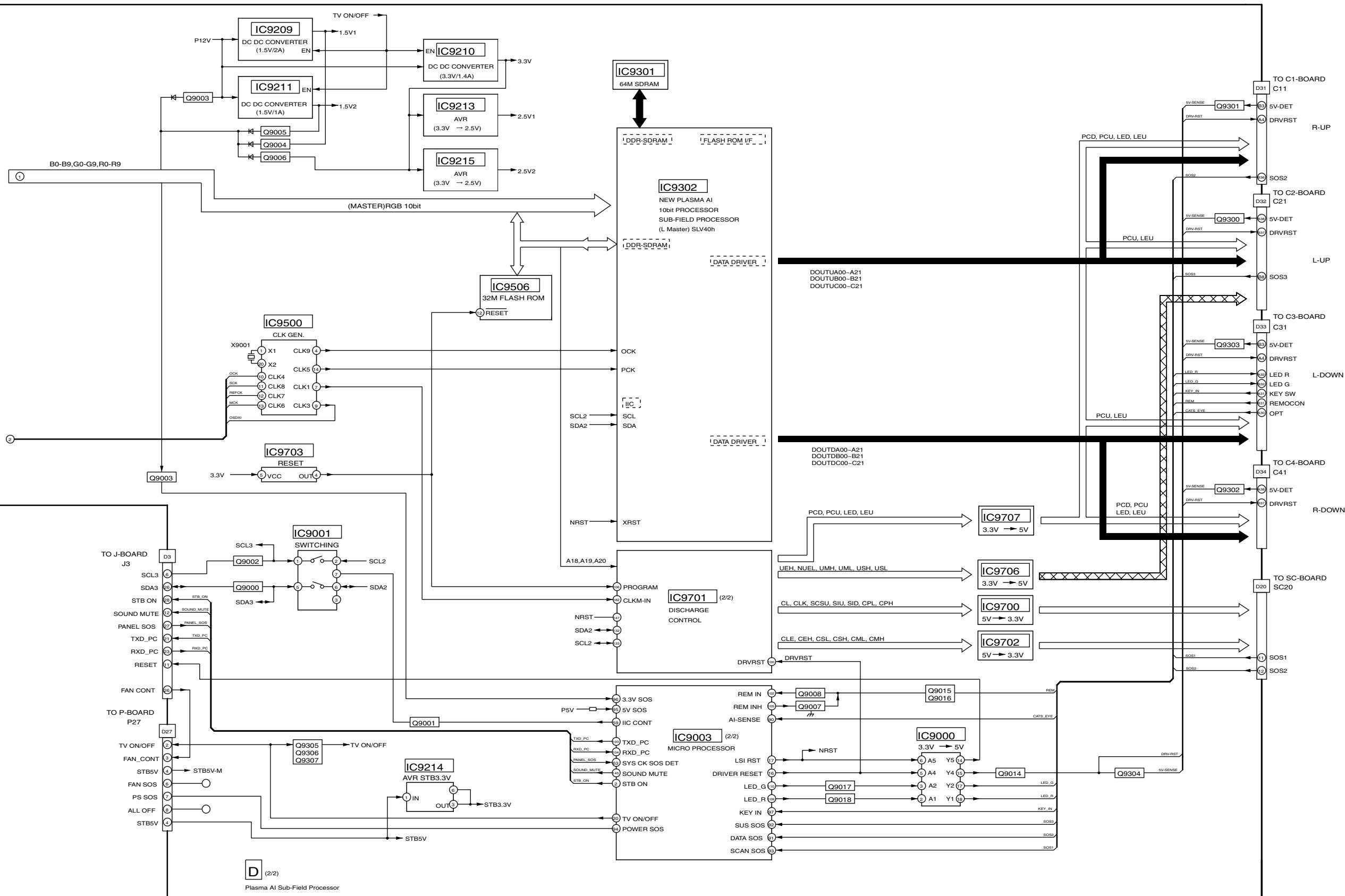
15.21. D-Board (1 of 2) Block Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (1 of 2) Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (1 of 2) Block Diagram

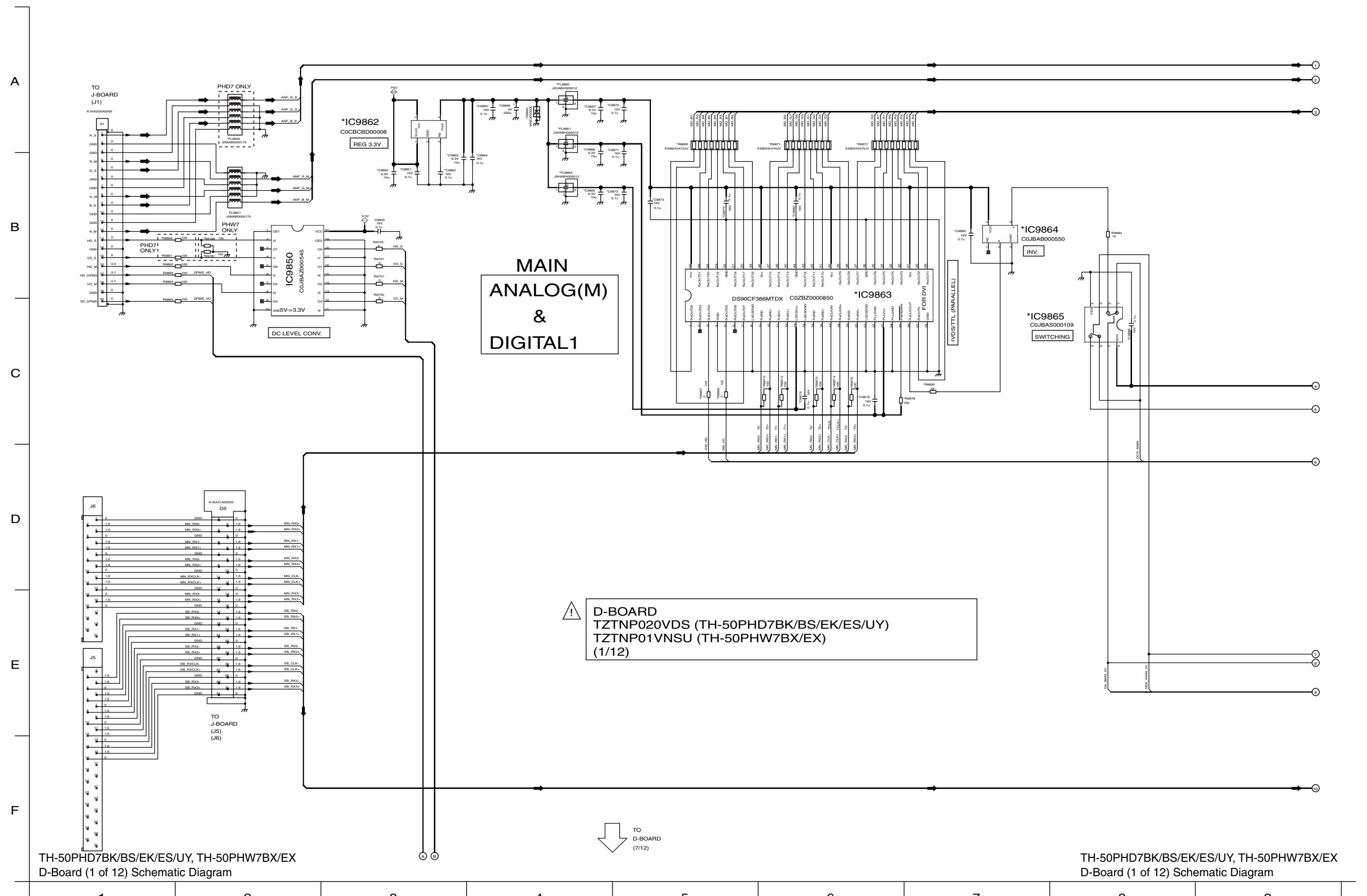
15.22. D-Board (2 of 2) Block Diagram



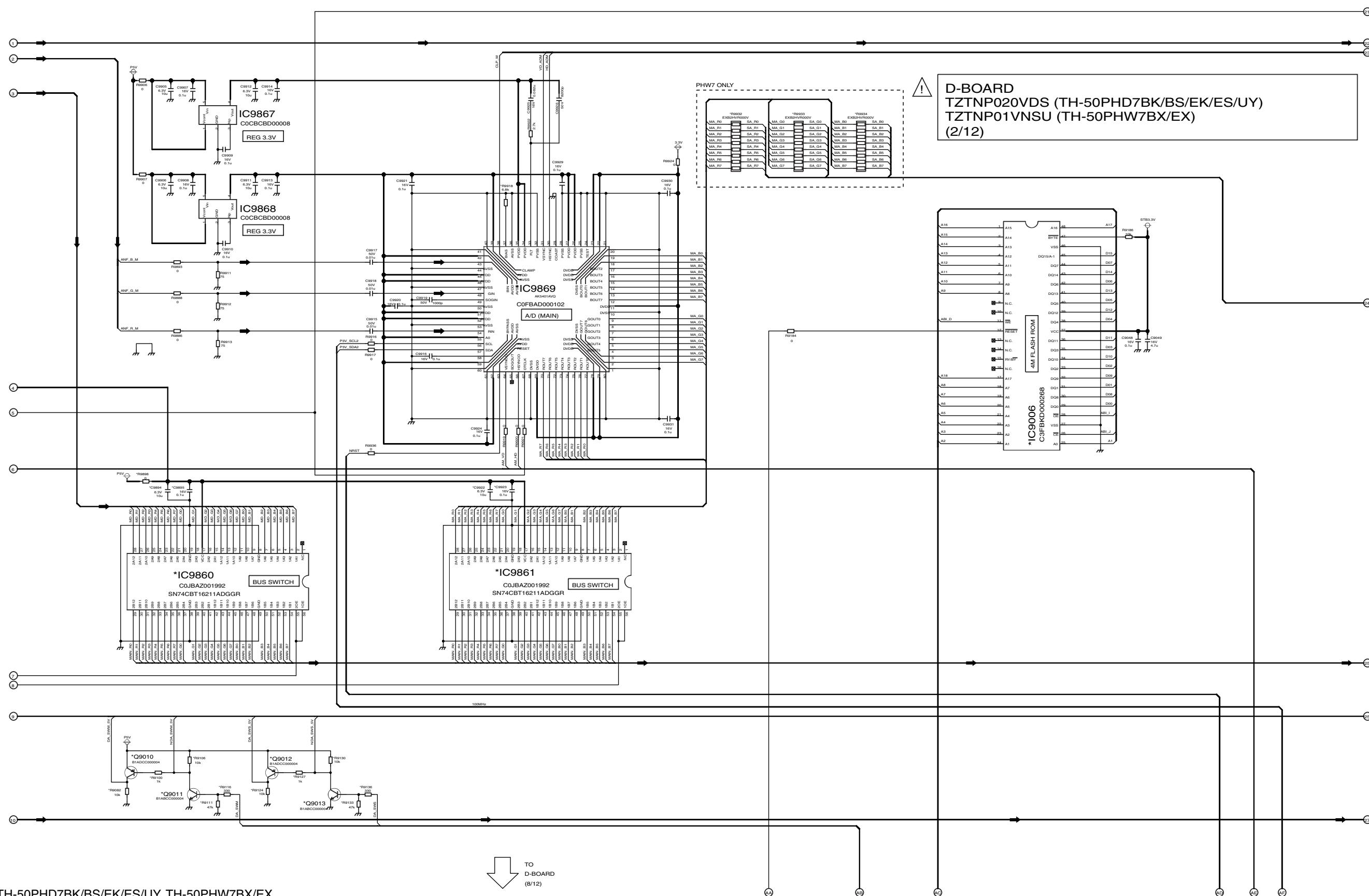
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (2 of 2) Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (2 of 2) Block Diagram

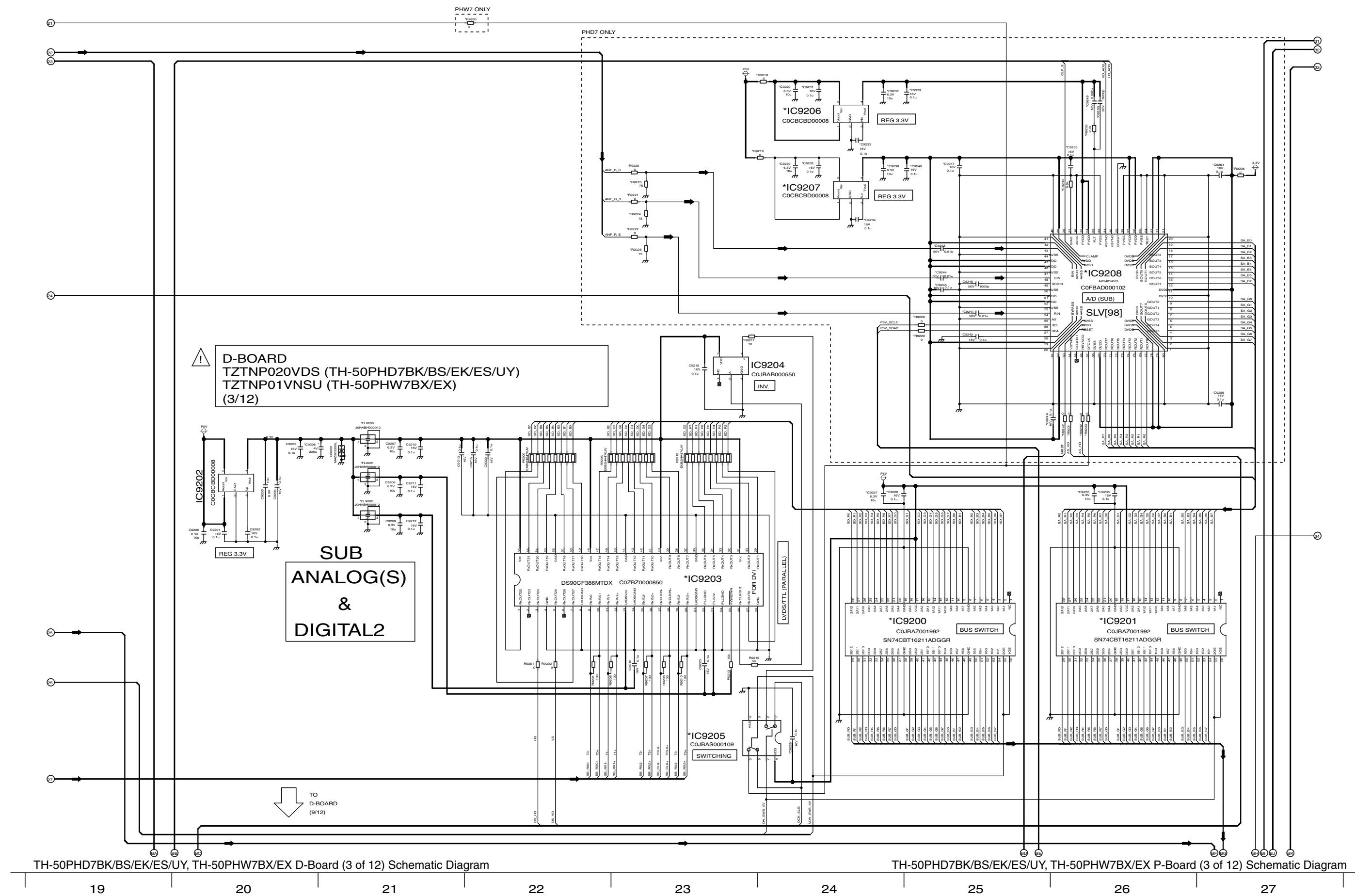
15.23. D-Board (1 of 12) Schematic Diagram



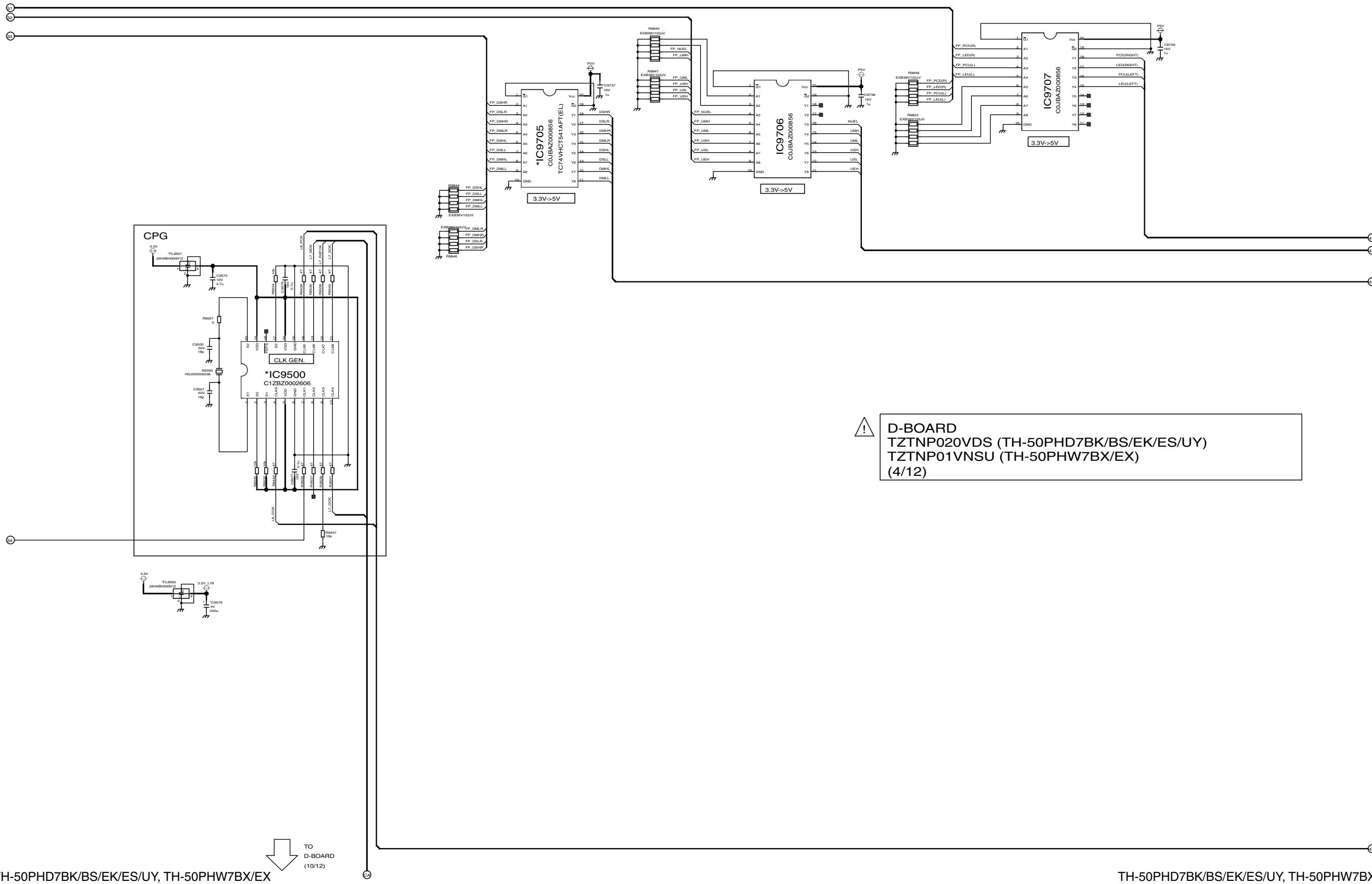
15.24. D-Board (2 of 12) Schematic Diagram



15.25. D-Board (3 of 12) Schematic Diagram



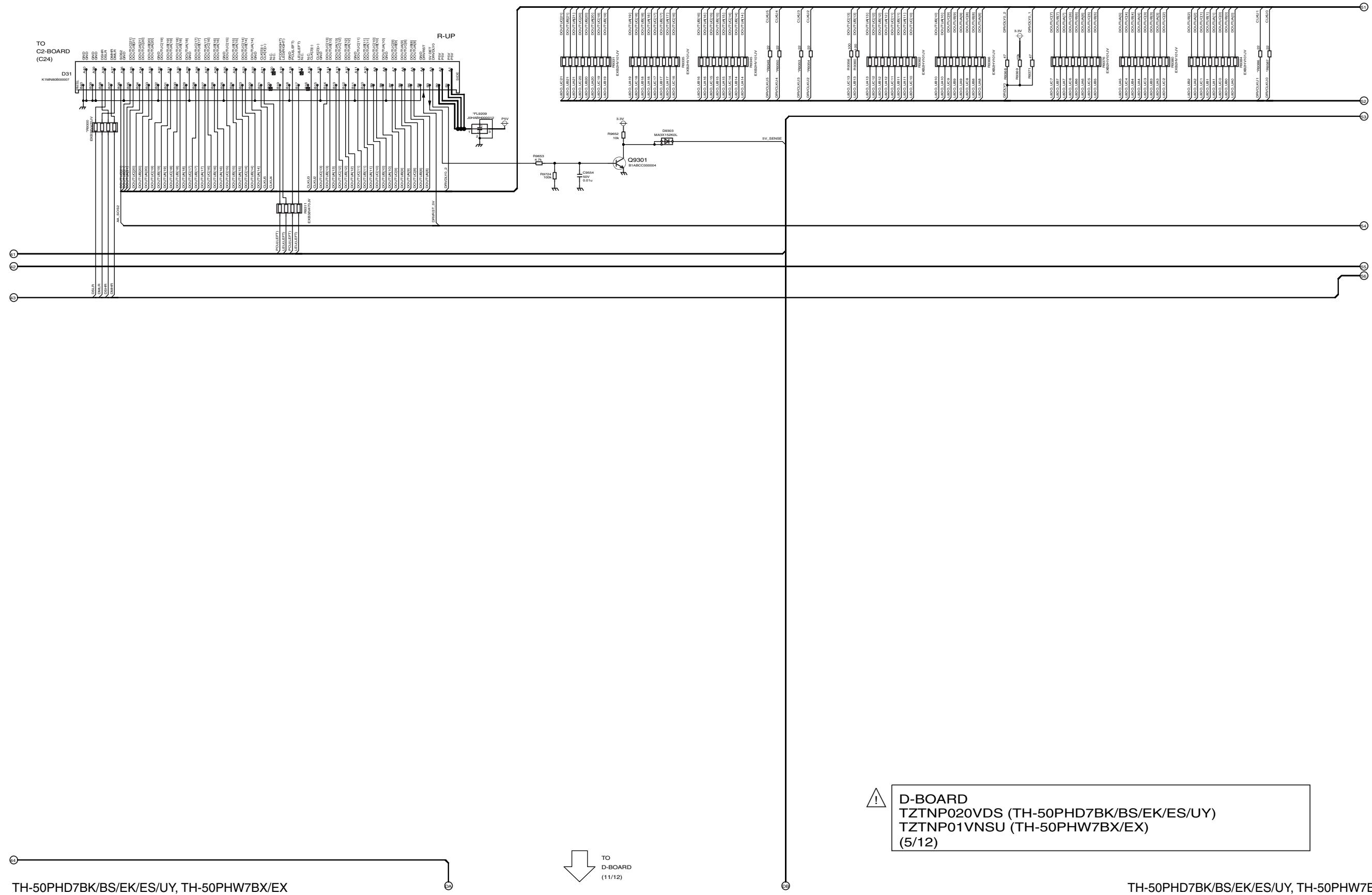
15.26. D-Board (4 of 12) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (4 of 12) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (4 of 12) Schematic Diagram

15.27. D-Board (5 of 12) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/E D-Board (5 of 12) Schematic Diagram

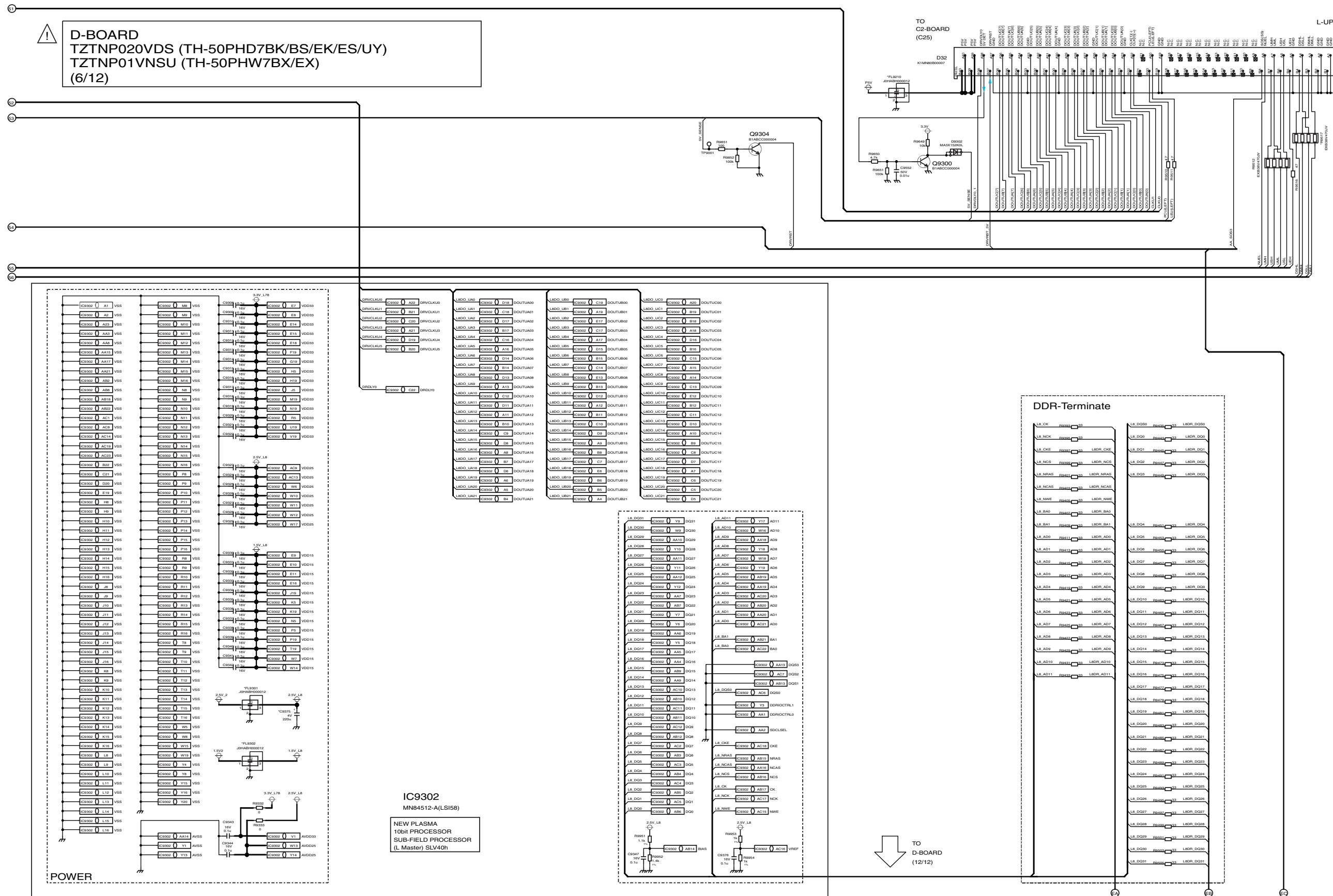
TO
D-BOARD
(11/12)

TO
D-BOARD
(11/12)

**TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (5 of 12) Schematic Diagram**

D-BOARD
TZTNP020VDS (TH-50PHD7BK/BS/EK/ES/UY)
TZTNP01VNSU (TH-50PHW7BX/EX)
(5/12)

15.28. D-Board (6 of 12) Schematic Diagram



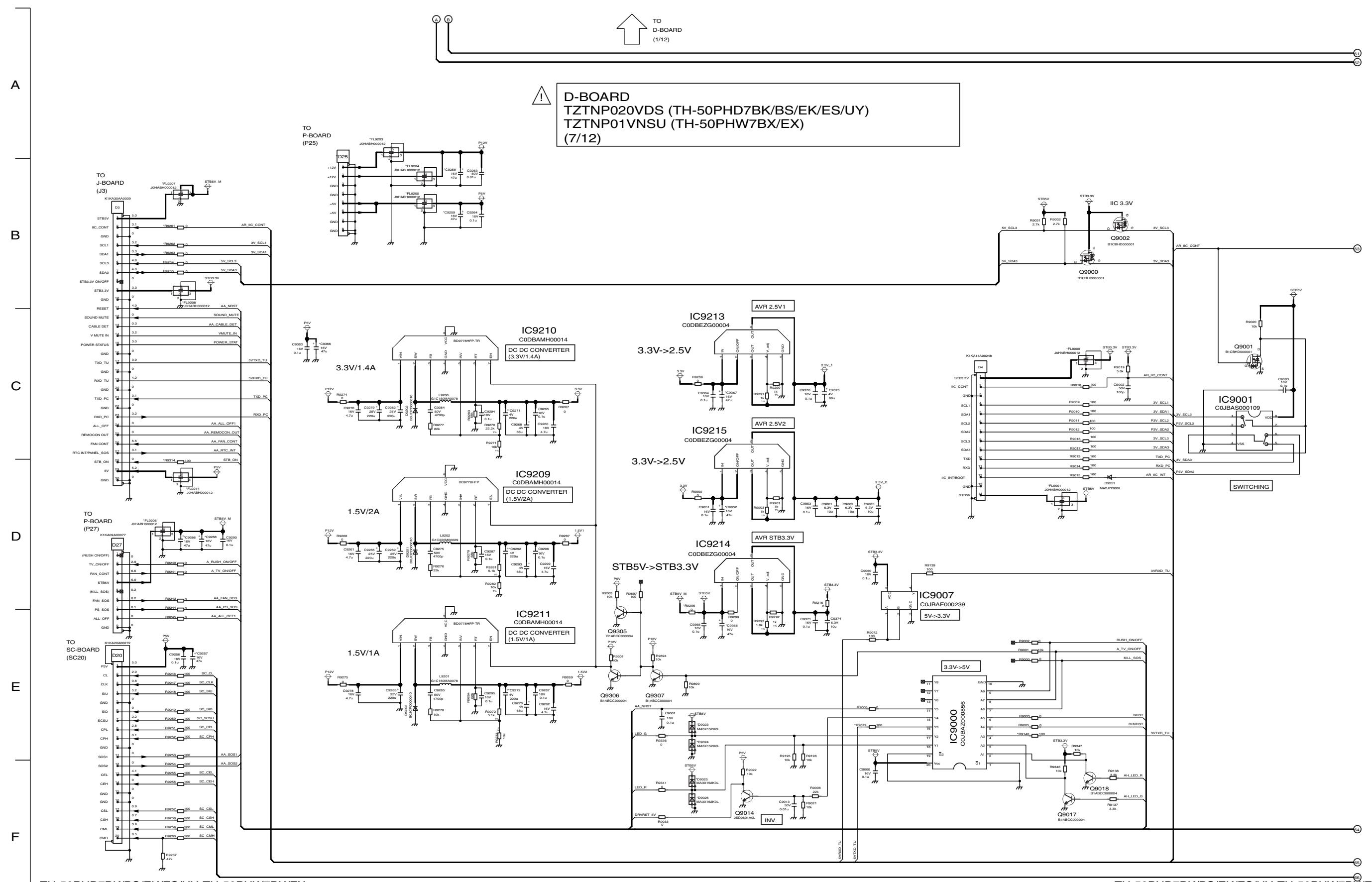
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX D-Board (6 of 12) Schematic Diagram

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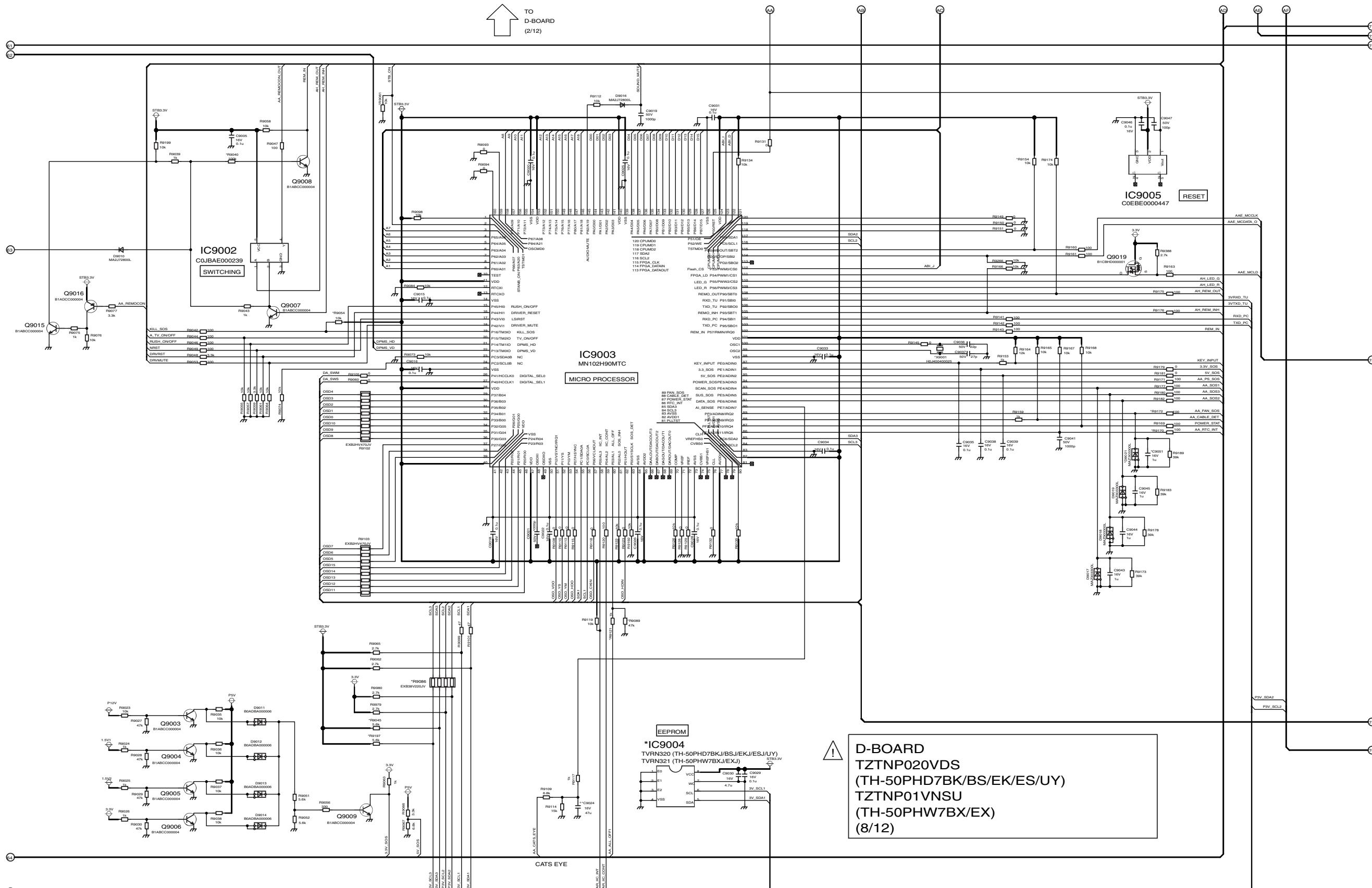
47

4

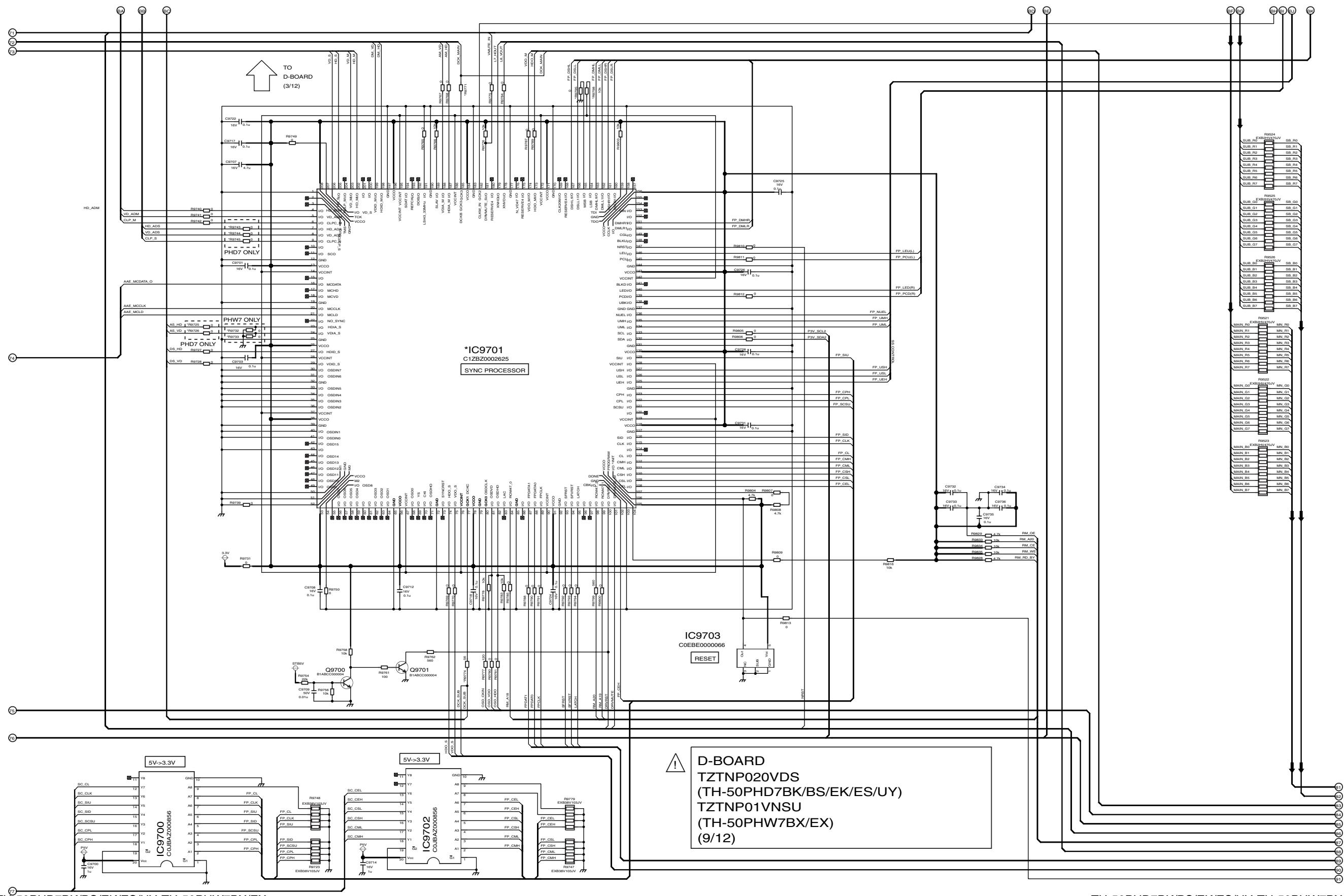
15.29. D-Board (7 of 12) Schematic Diagram



15.30. D-Board (8 of 12) Schematic Diagram



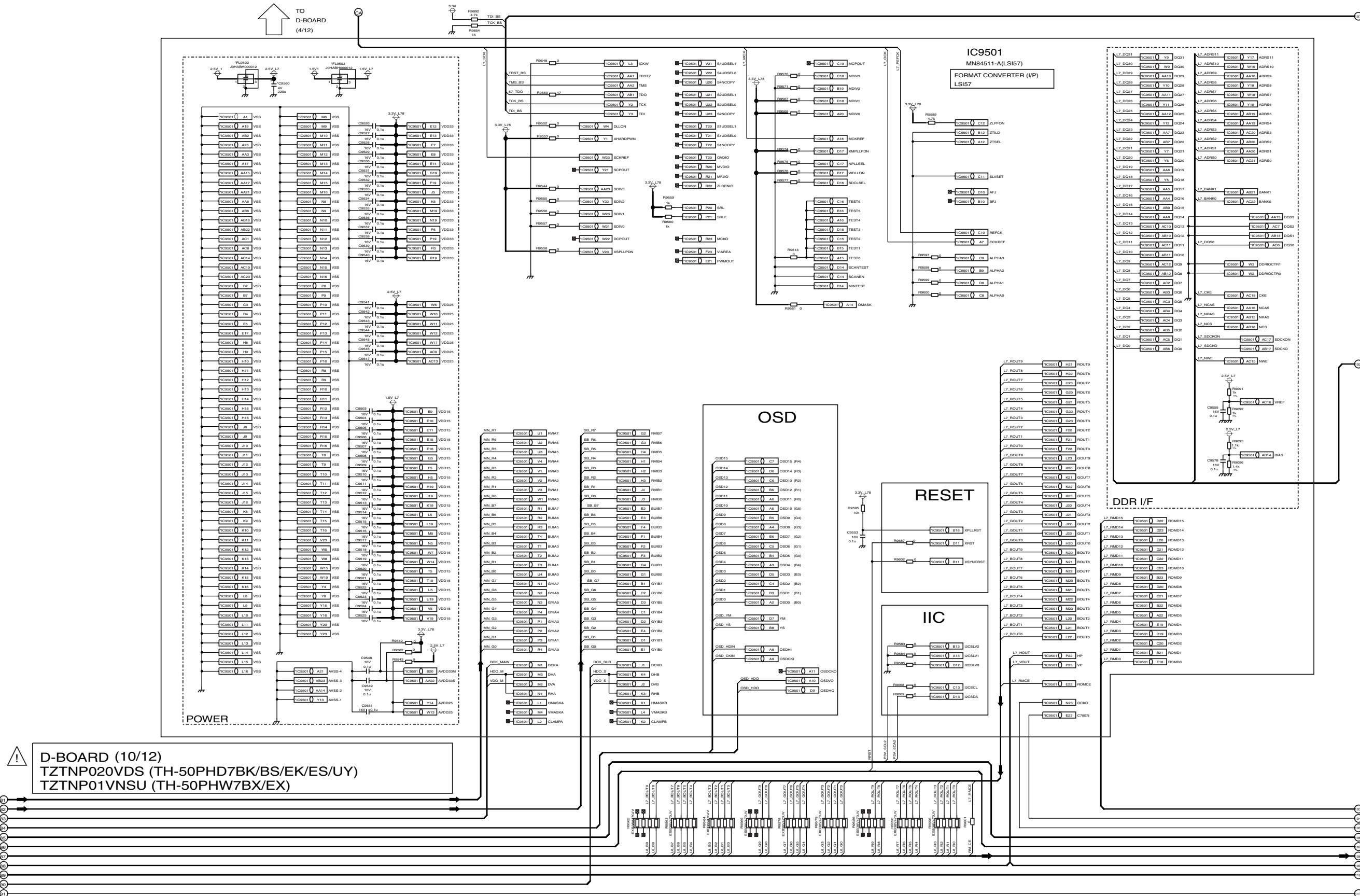
15.31. D-Board (9 of 12) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (9 of 12) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (9 of 12) Schematic Diagram

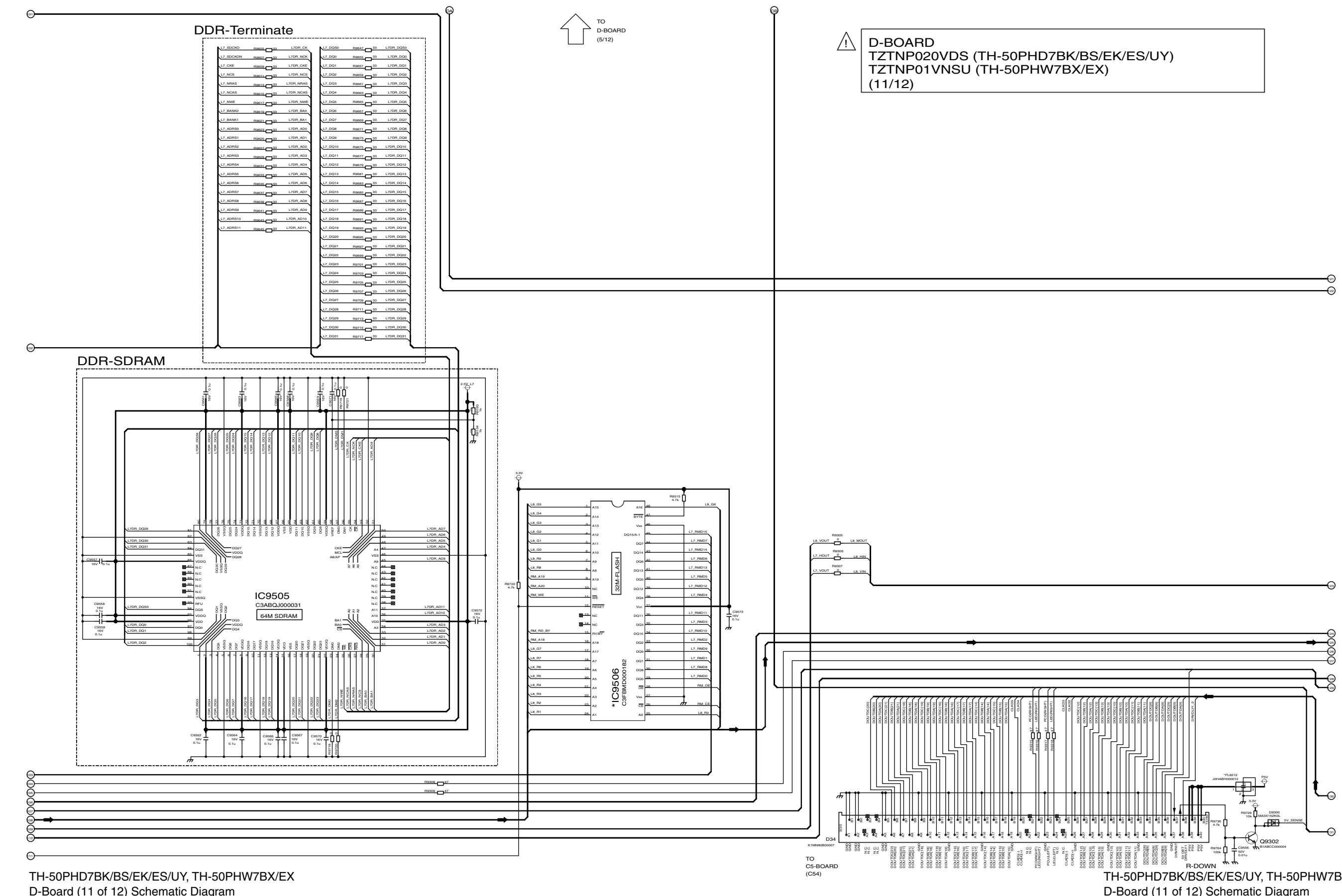
15.32. D-Board (10 of 12) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (10 of 12) Schematic Diagram

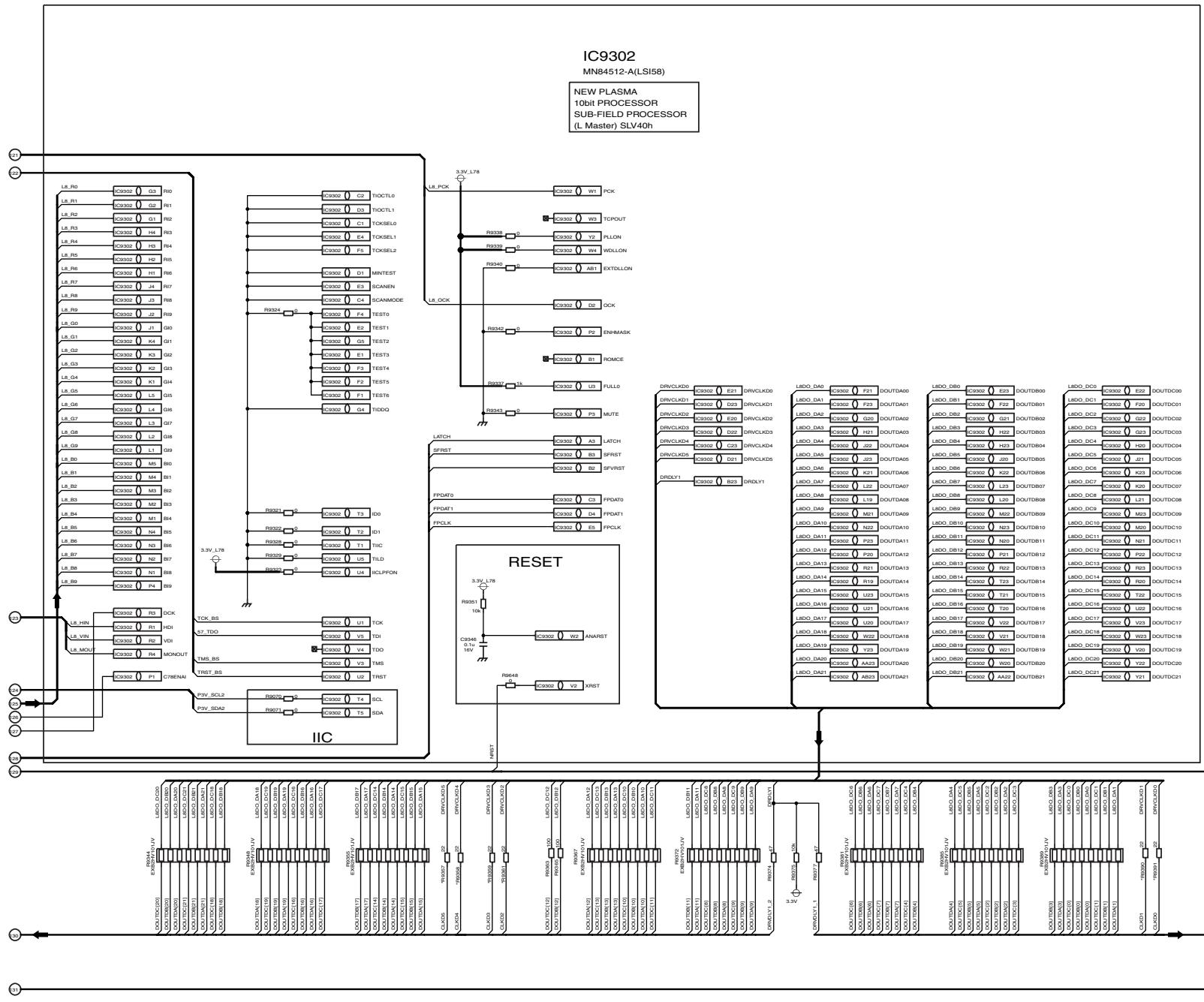
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
D-Board (10 of 12) Schematic Diagram

15.33. D-Board (11 of 12) Schematic Diagram

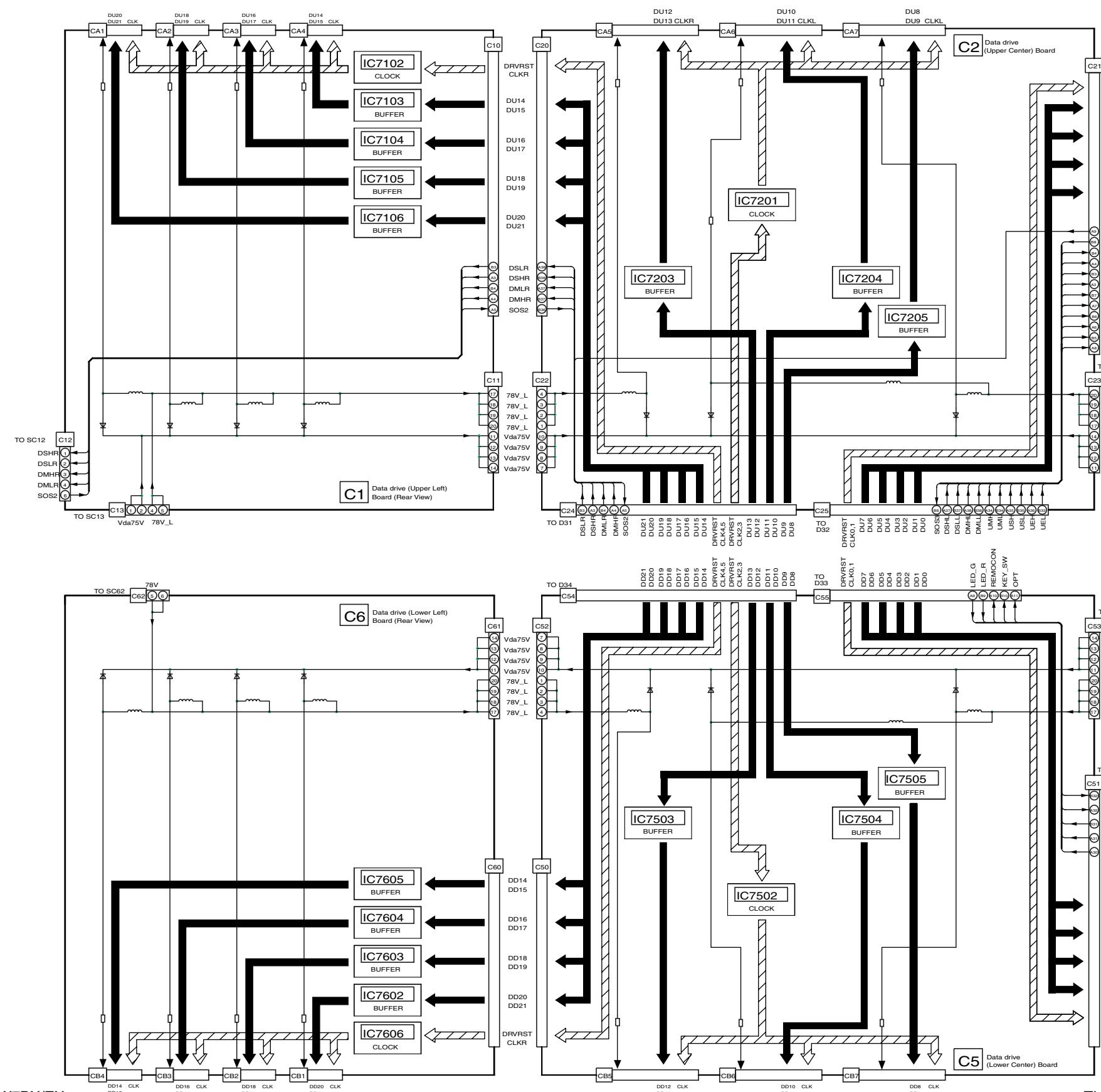


15.34. D-Board (12 of 12) Schematic Diagram

D-BOARD
TZTNP020VDS (TH-50PHD7BK/BS/EK/ES/UY)
TZTNP01VNSU (TH-50PHW7BX/EX)
(12/12)



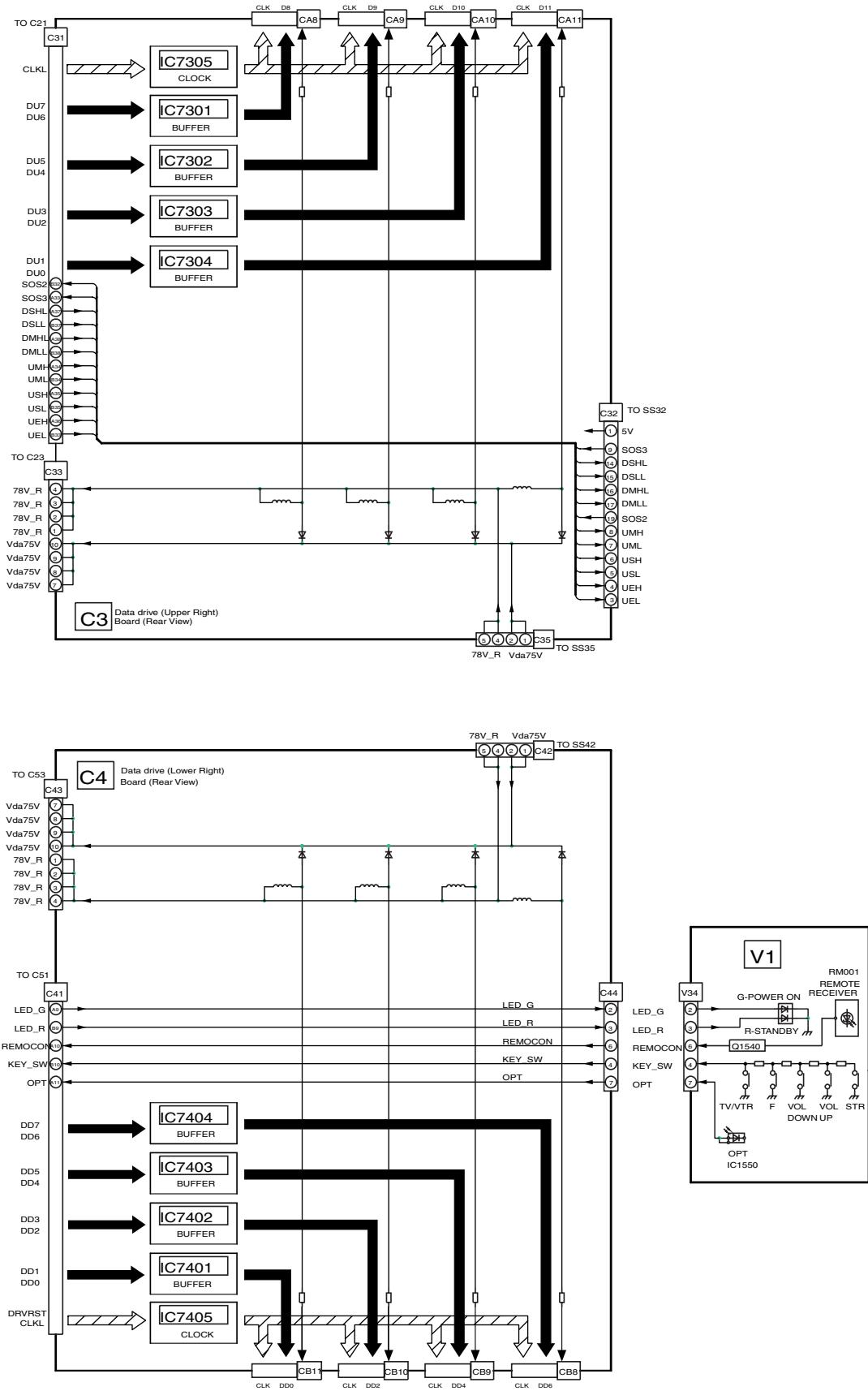
15.35. C1, C2, C5 and C6-Board Block Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C1, C2, C5, and C6-Board Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C1, C2, C5, and C6-Board Block Diagram

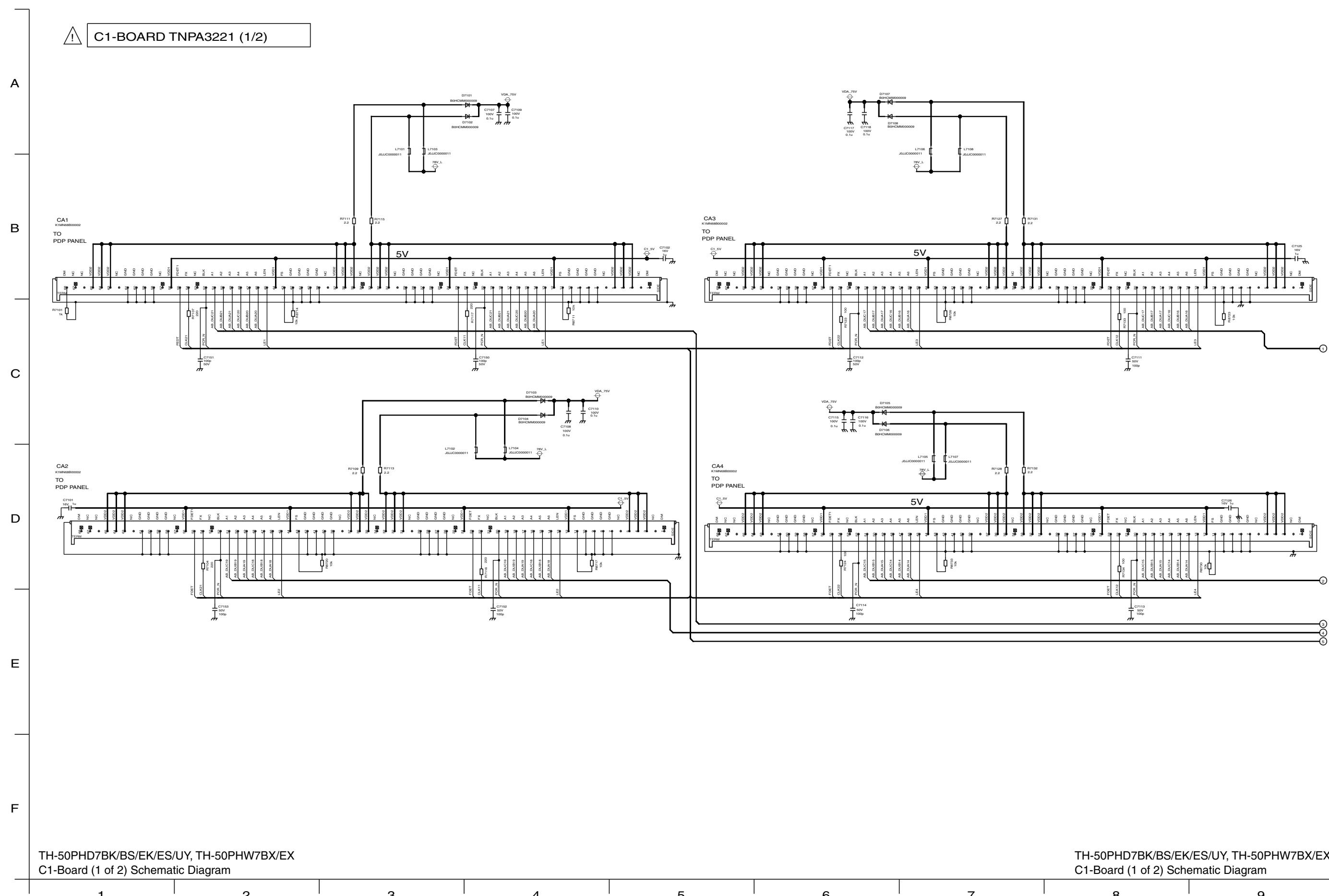
15.36. C3 and C4-Board Block Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C3, C4, and V1-Board Block Diagram

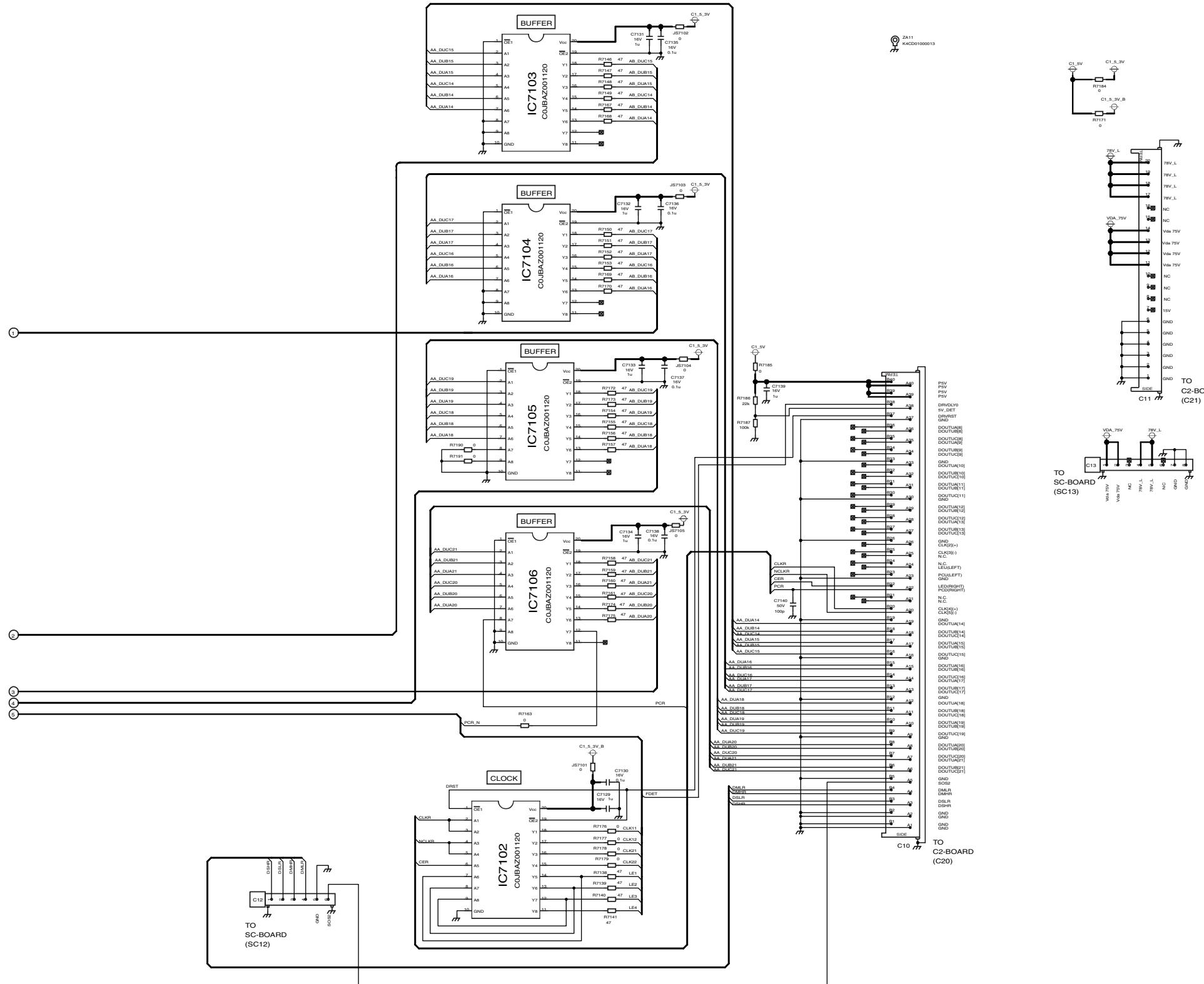
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C3, C4, and V1-Board Block Diagram

15.37. C1-Board (1 of 2) Schematic Diagram



15.38. C1-Board (2 of 2) Schematic Diagram

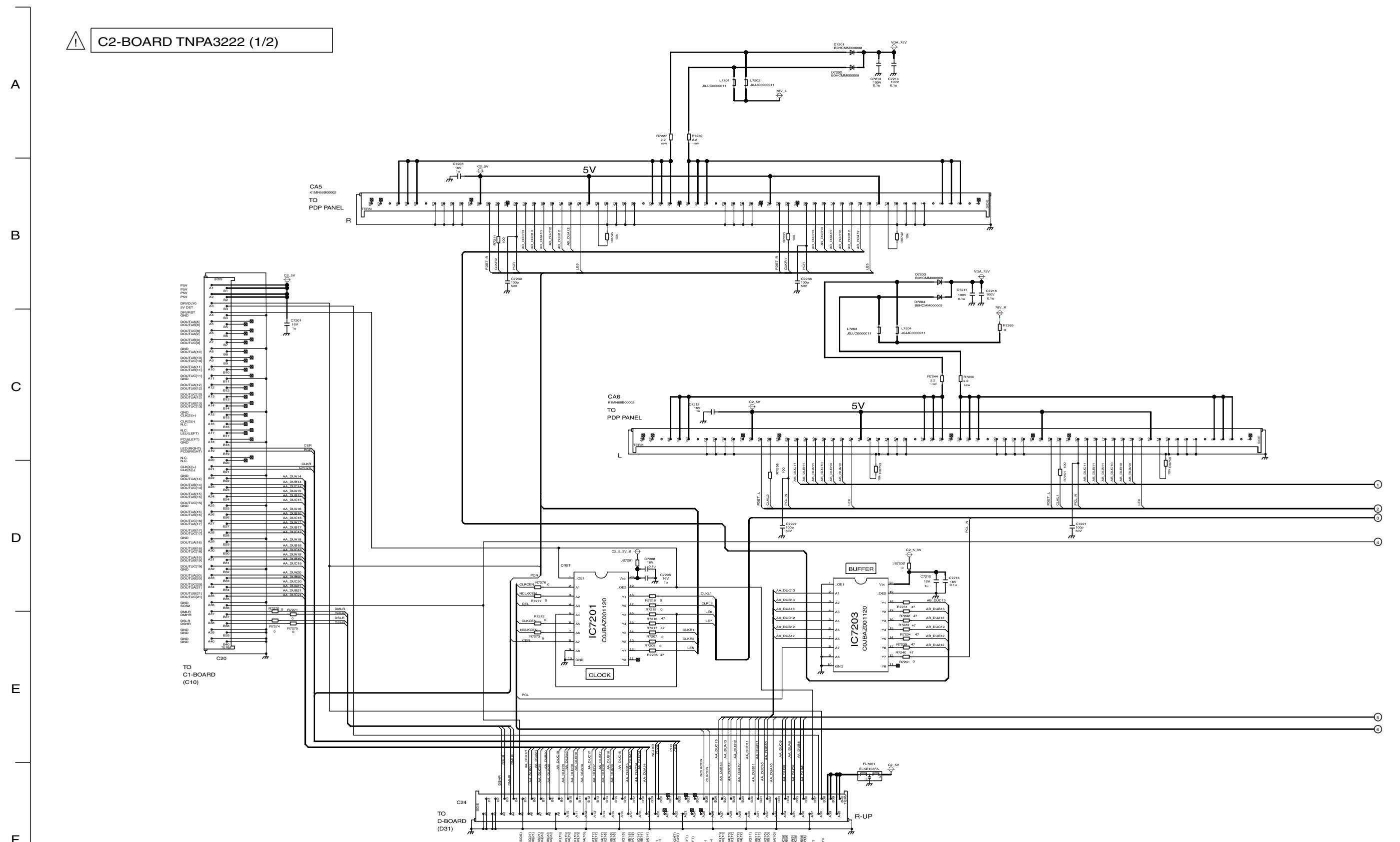
 C1-BOARD TNPA3221 (2/2)



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C1-Board (2 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C1-Board (2 of 2) Schematic Diagram

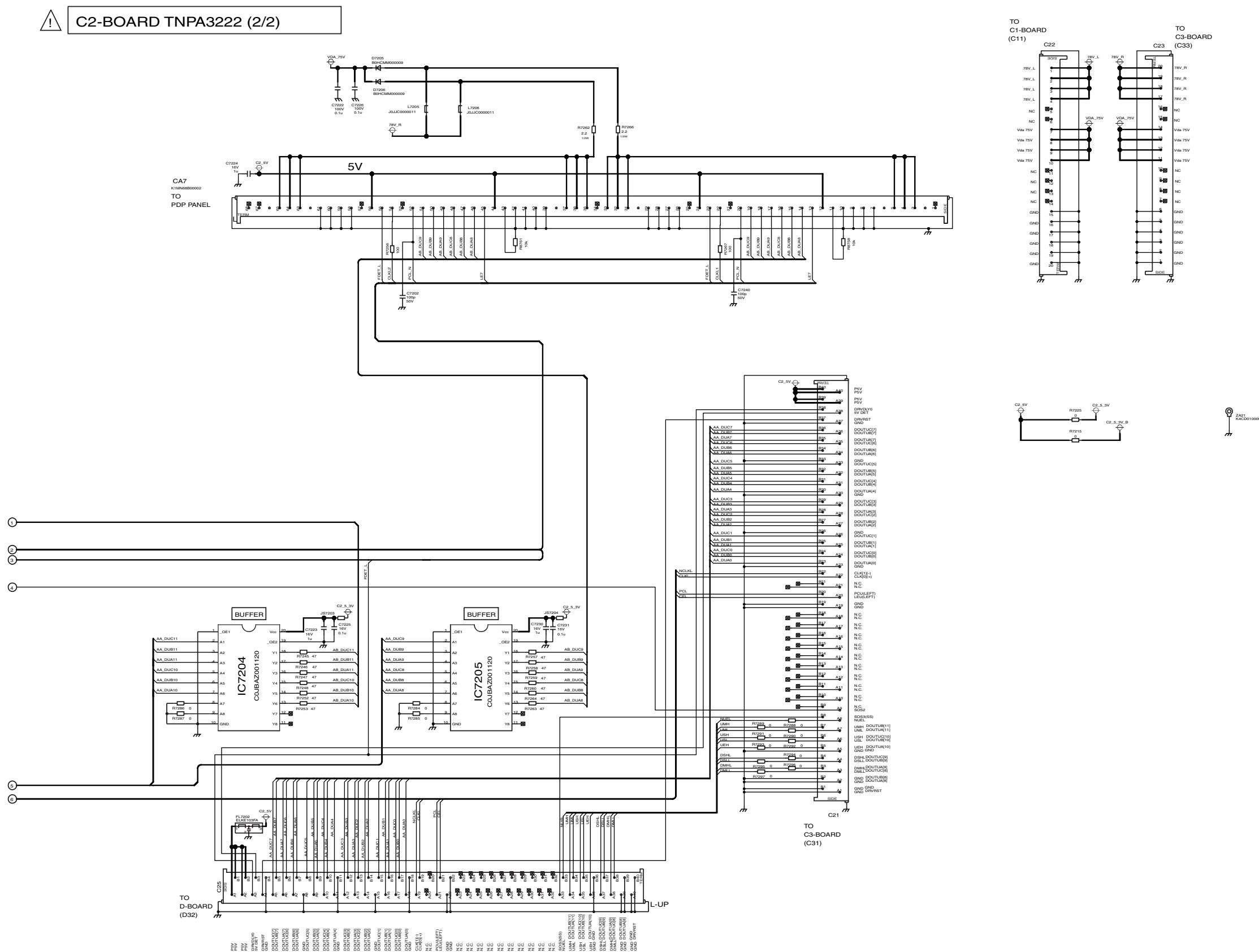
15.39. C2-Board (1 of 2) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/E C2-Board (1 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX C2-Board (1 of 2) Schematic Diagram

15.40. C2-Board (2 of 2) Schematic Diagram

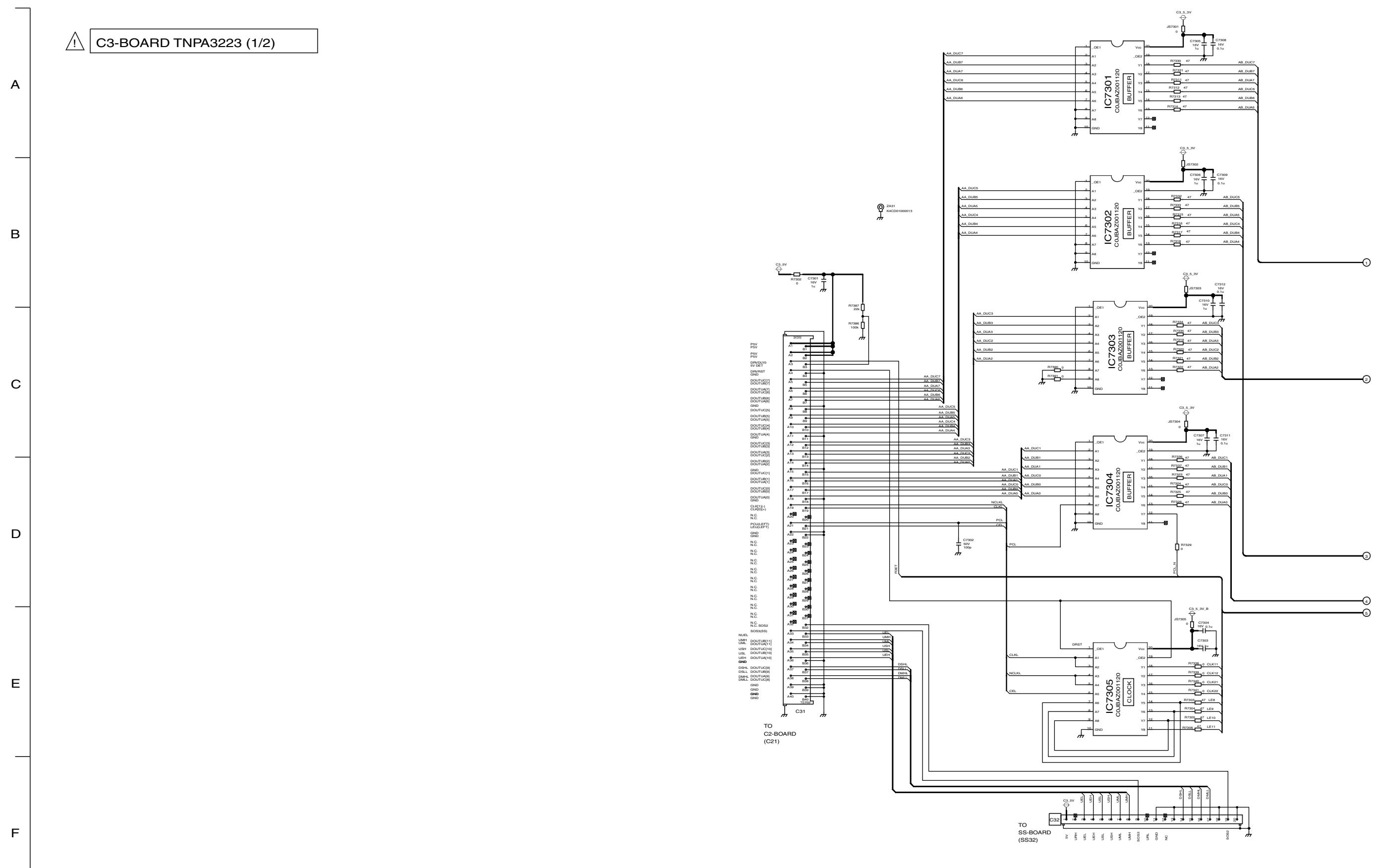


TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C2-Board (2 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C2-Board (2 of 2) Schematic Diagram

10 11 12 13 14 15 16 17 18

15.41. C3-Board (1 of 2) Schematic Diagram

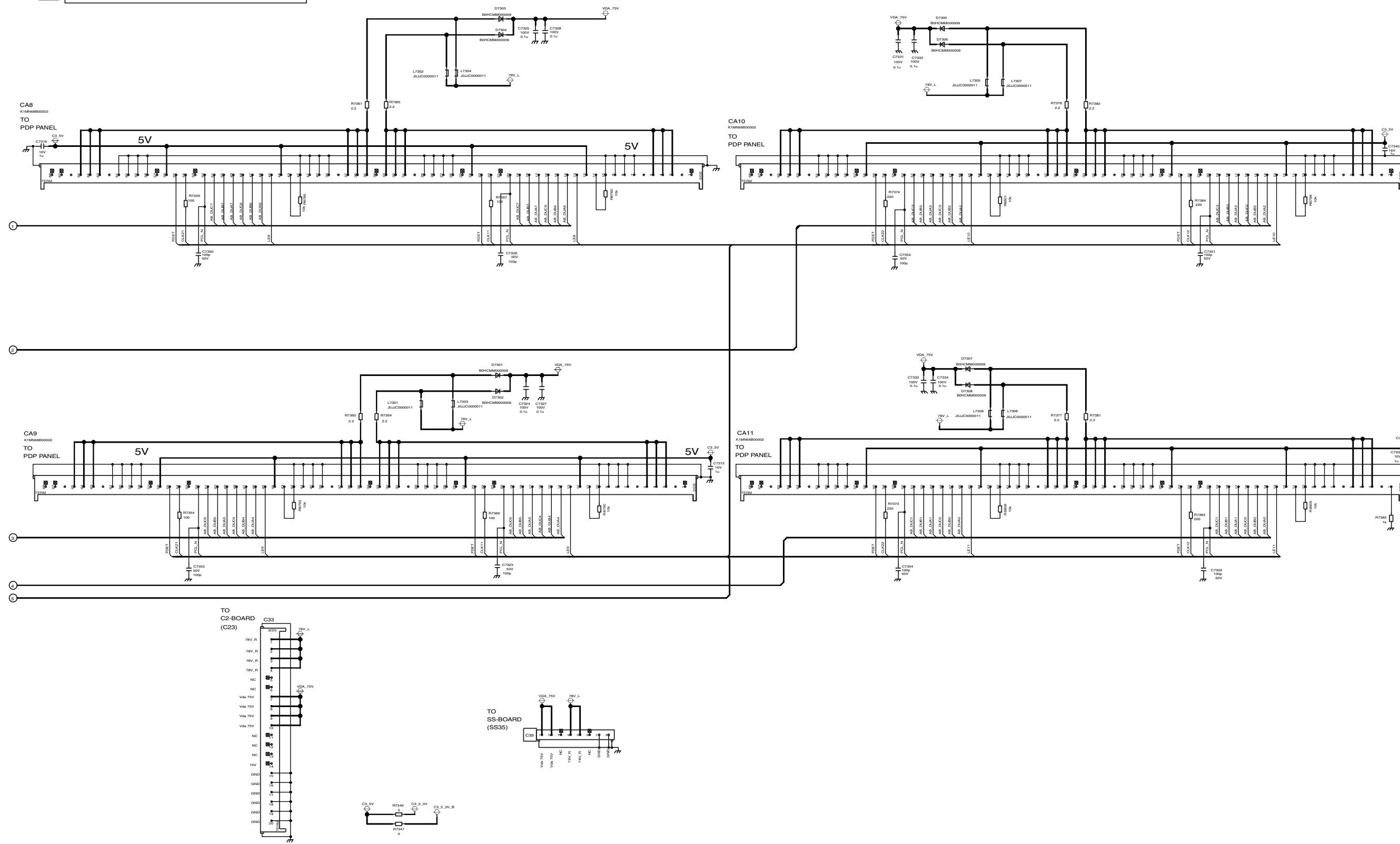


TH-50PHD7BK/BS/EK/ES/U/Y, TH-50PHW7BX/EX
C3-Board (1 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/U/Y, TH-50PHW7BX/EX
C3-Board (1 of 2) Schematic Diagram

15.42. C3-Board (2 of 2) Schematic Diagram

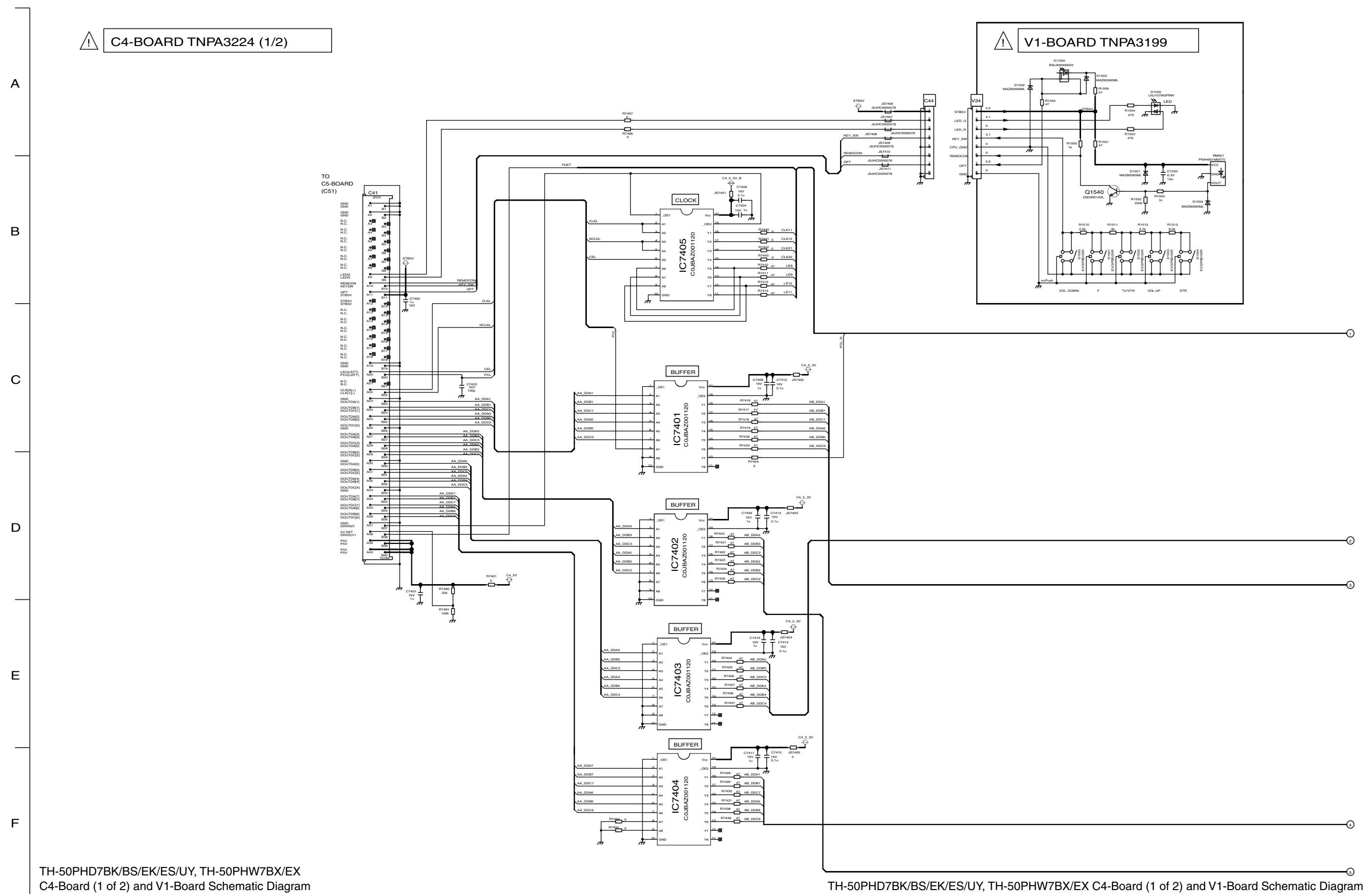
! C3-BOARD TNPA3223 (2/2)



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX C3-Board (2 of 2) Schematic Diagram

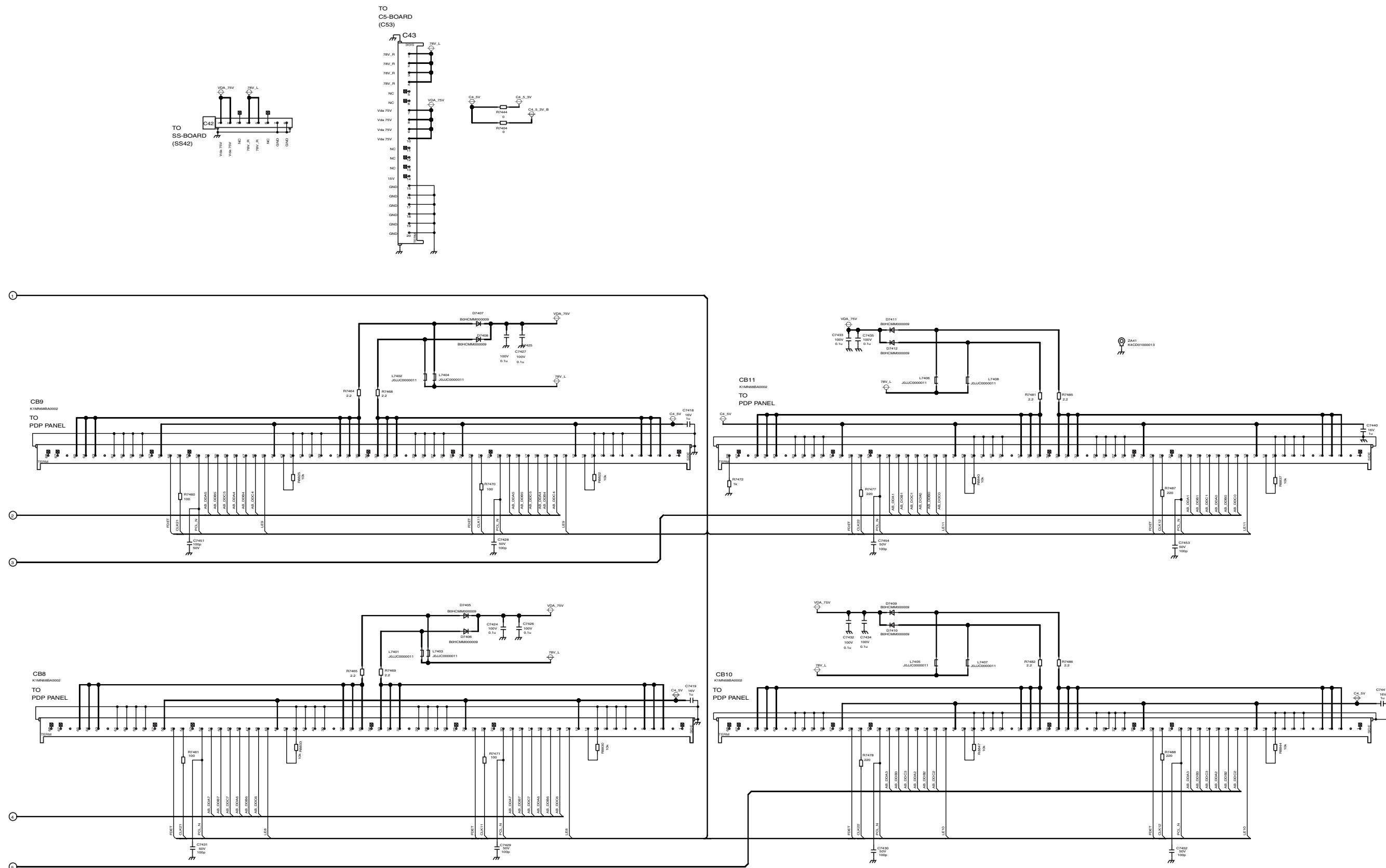
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C3-Board (2 of 2) Schematic Diagram

15.43. C4-Board (1 of 2) and V1-Board Schematic Diagram



15.44. C4-Board (2 of 2) Schematic Diagram

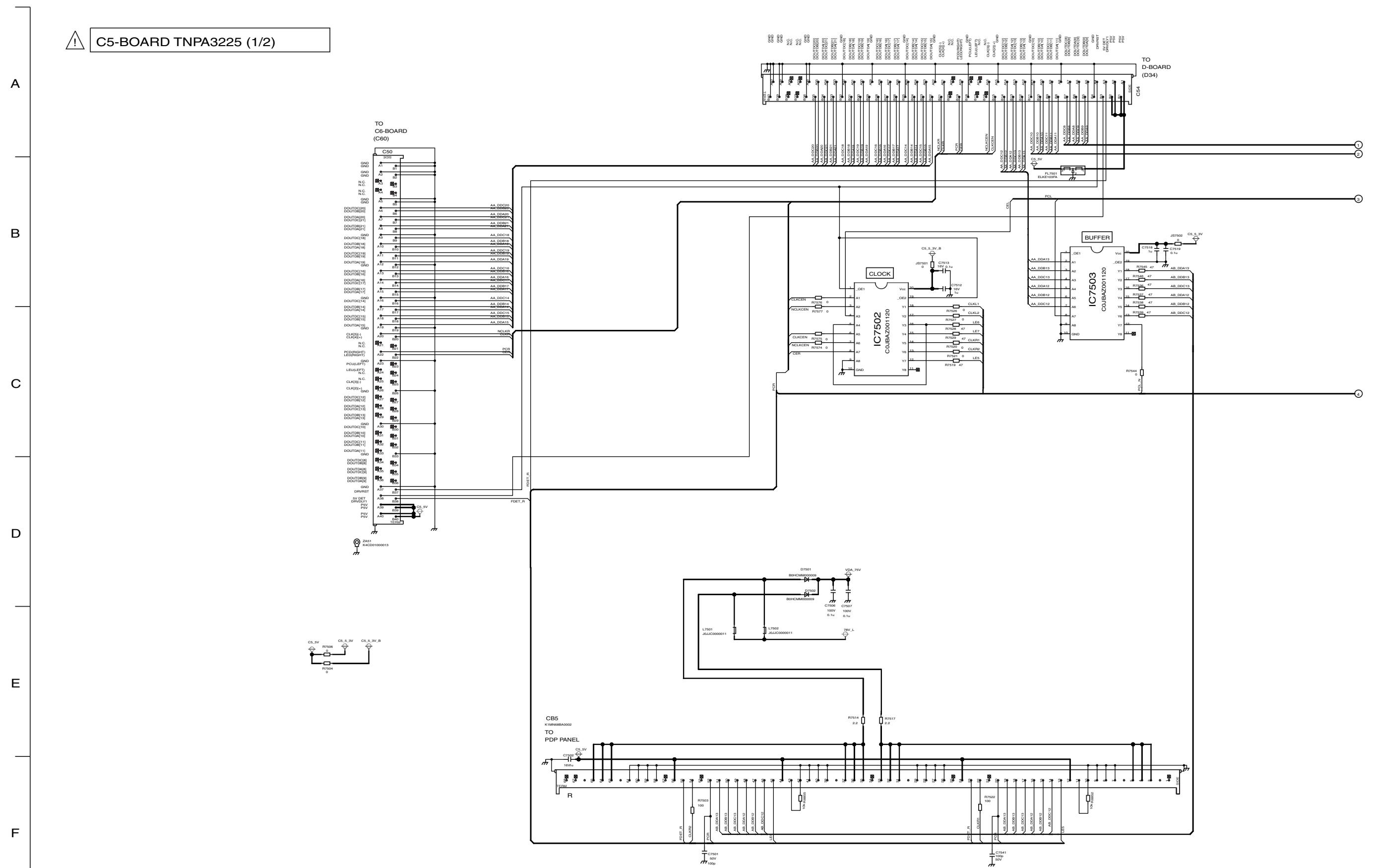
 C4-BOARD TNPA3224 (2/2)



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX C4-Board (2 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX C4-Board (2 of 2) Schematic Diagram

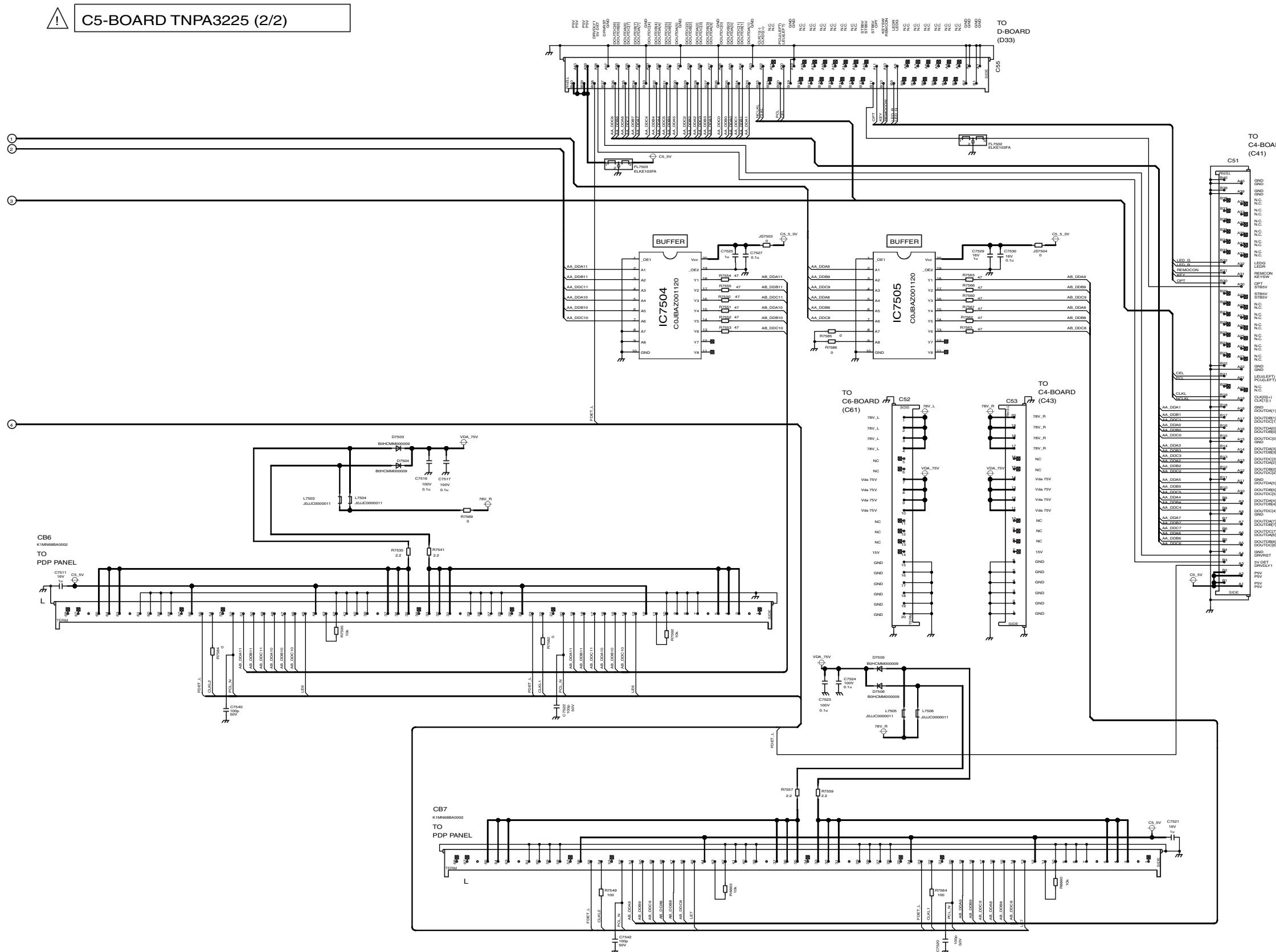
15.45. C5-Board (1 of 2) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX C5-Board (1 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX C5-Board (1 of 2) Schematic Diagram

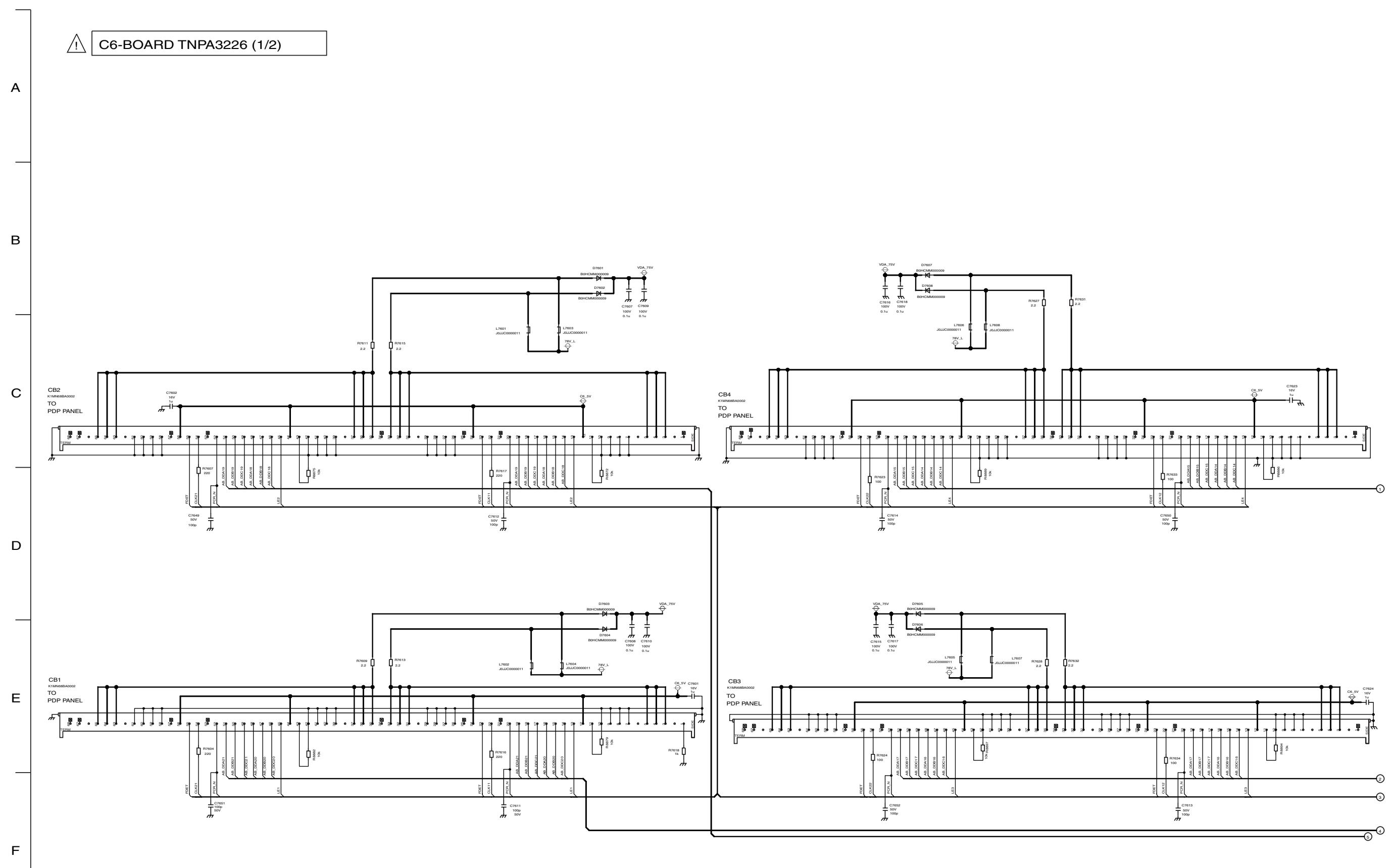
15.46. C5-Board (2 of 2) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C5-Board (2 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C2-Board (2 of 2) Schematic Diagram

15.47. C6-Board (1 of 2) Schematic Diagram

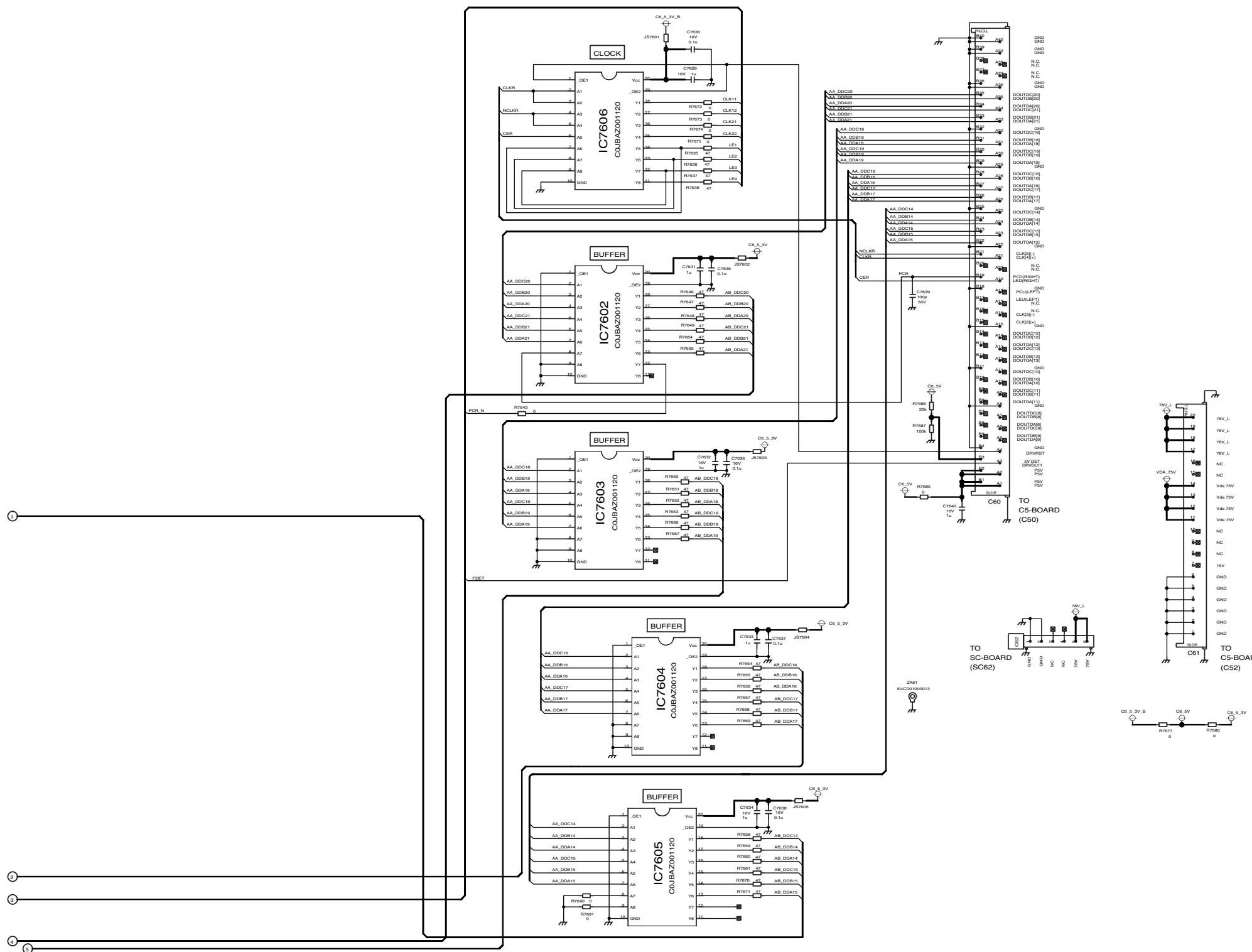


TH-50PHD7BK/BS/EK/ES/U/Y, TH-50PHW7BX/EX
C6-Board (1 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/U/Y, TH-50PHW7BX/EX
C6-Board (1 of 2) Schematic Diagram

15.48. C6-Board (2 of 2) Schematic Diagram

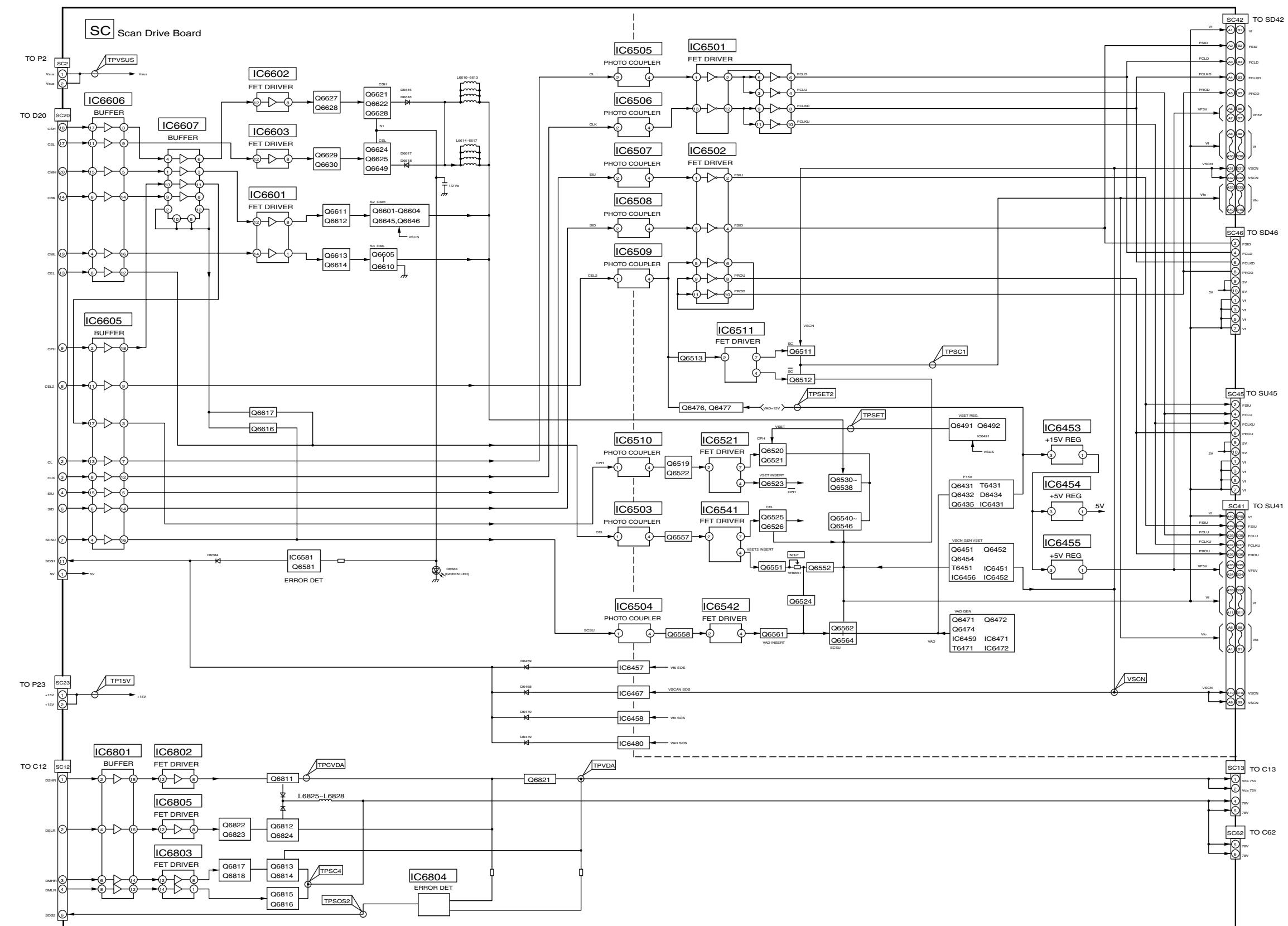
C6-BOARD TNPA3226 (2/2)



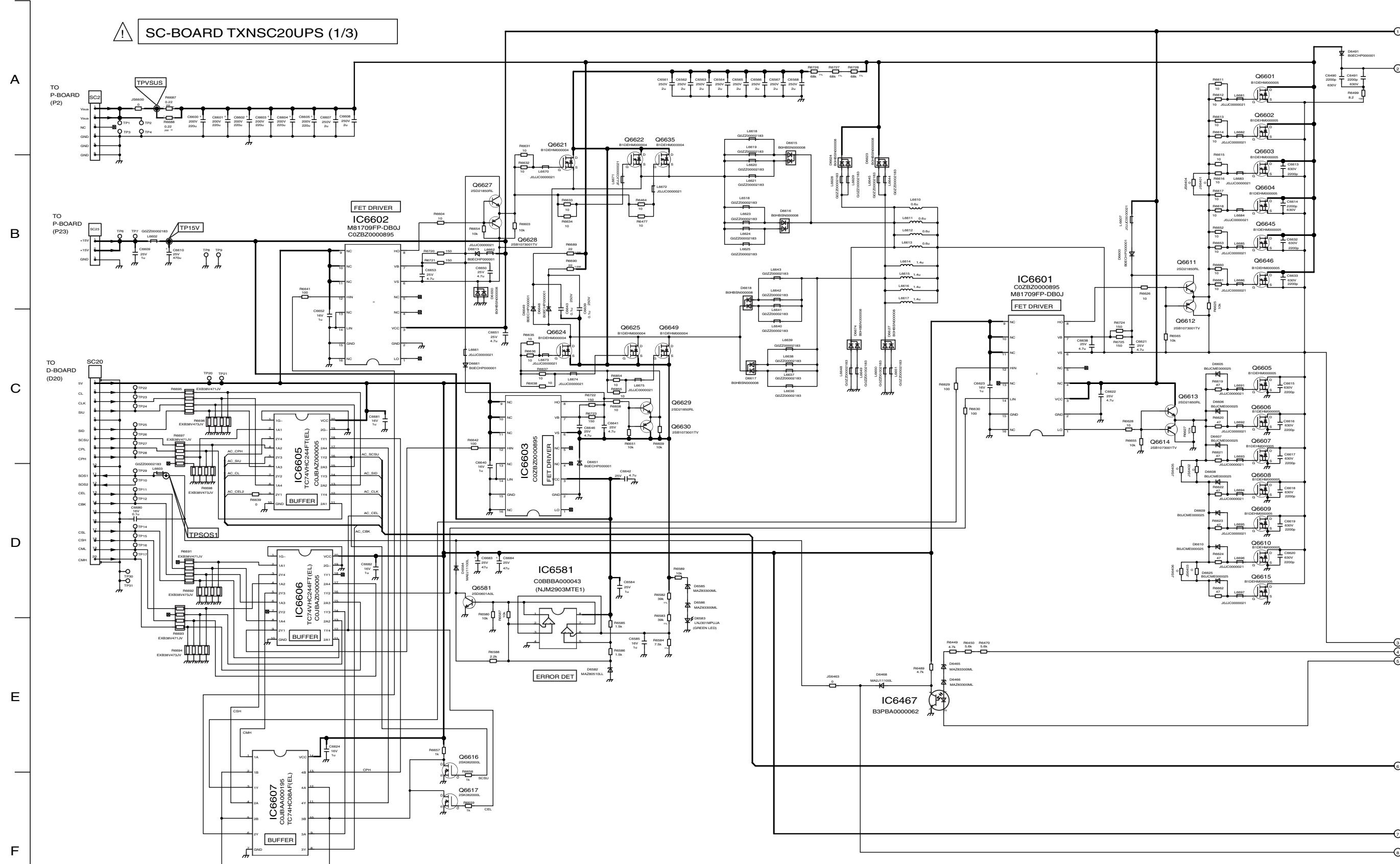
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C6-Board (2 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
C6-Board (2 of 2) Schematic Diagram

15.49. SC-Board Block Diagram



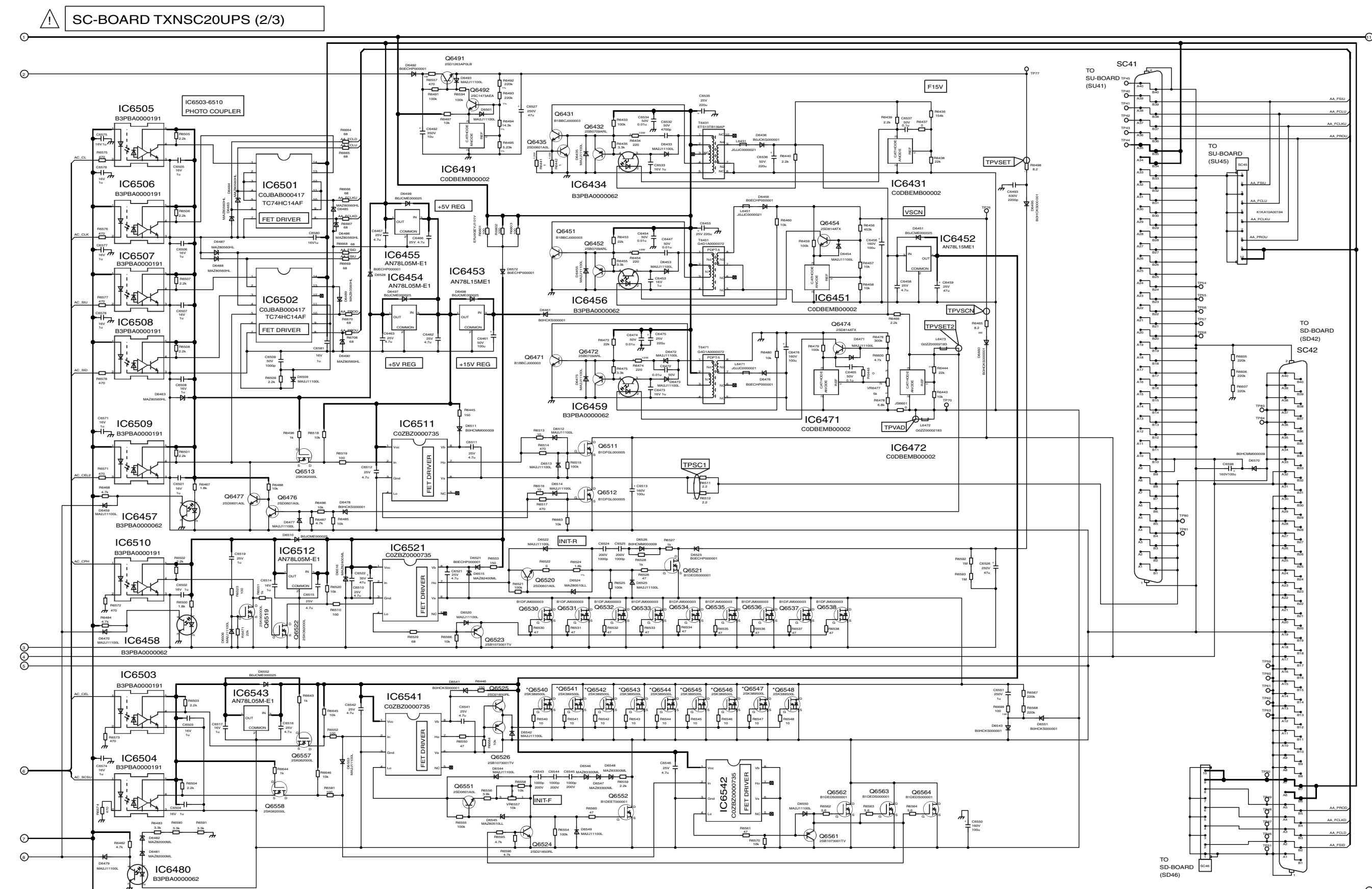
15.50. SC-Board (1 of 3) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX SC-Board (1 of 3) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SC-Board (1 of 3) Schematic Diagram

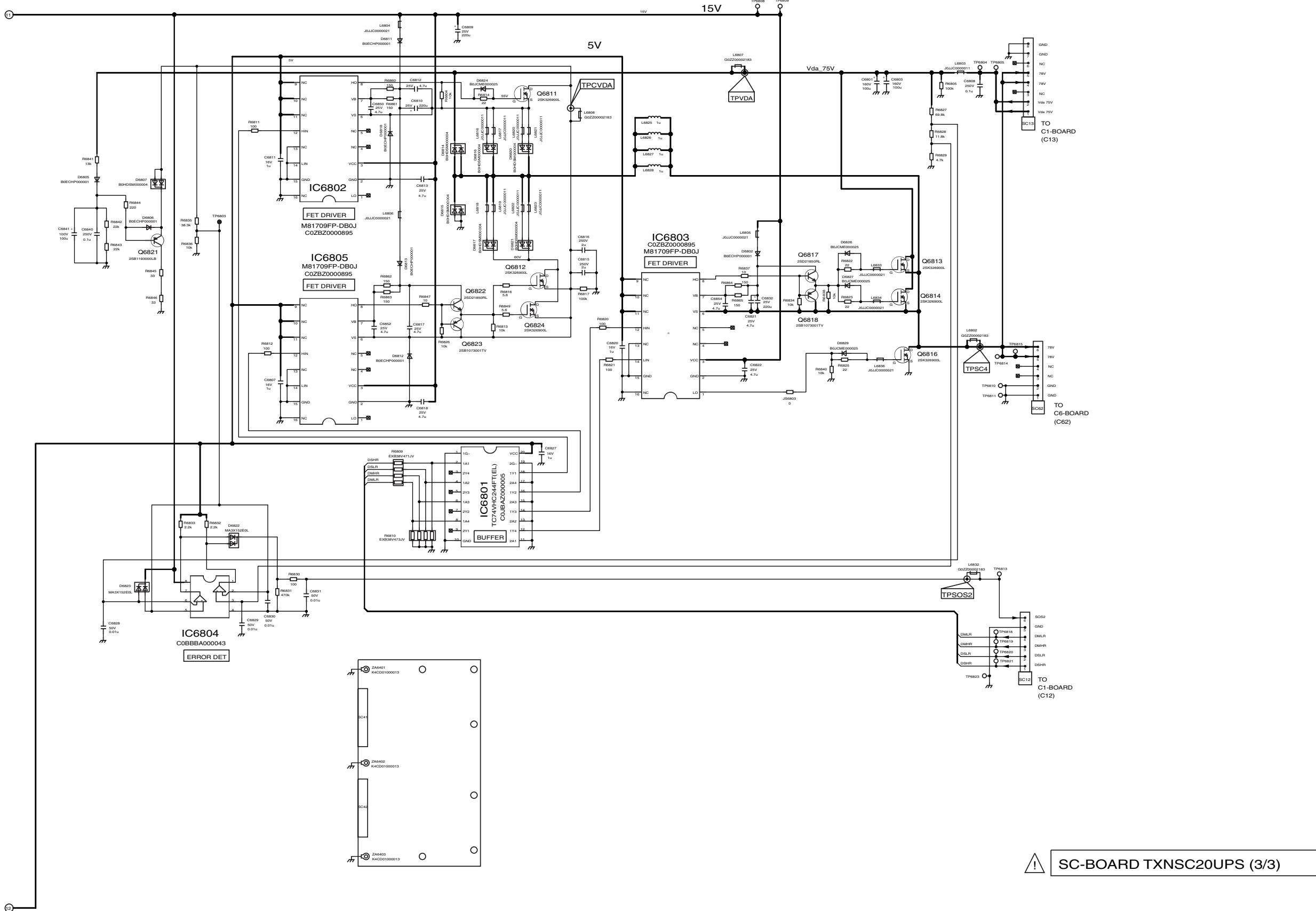
15.51. SC-Board (2 of 3) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/U/Y, TH-50PHW7BX/EX
SC-Board (2 of 3) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/U/Y, TH-50PHW7BX/EX
SC-Board (2 of 3) Schematic Diagram

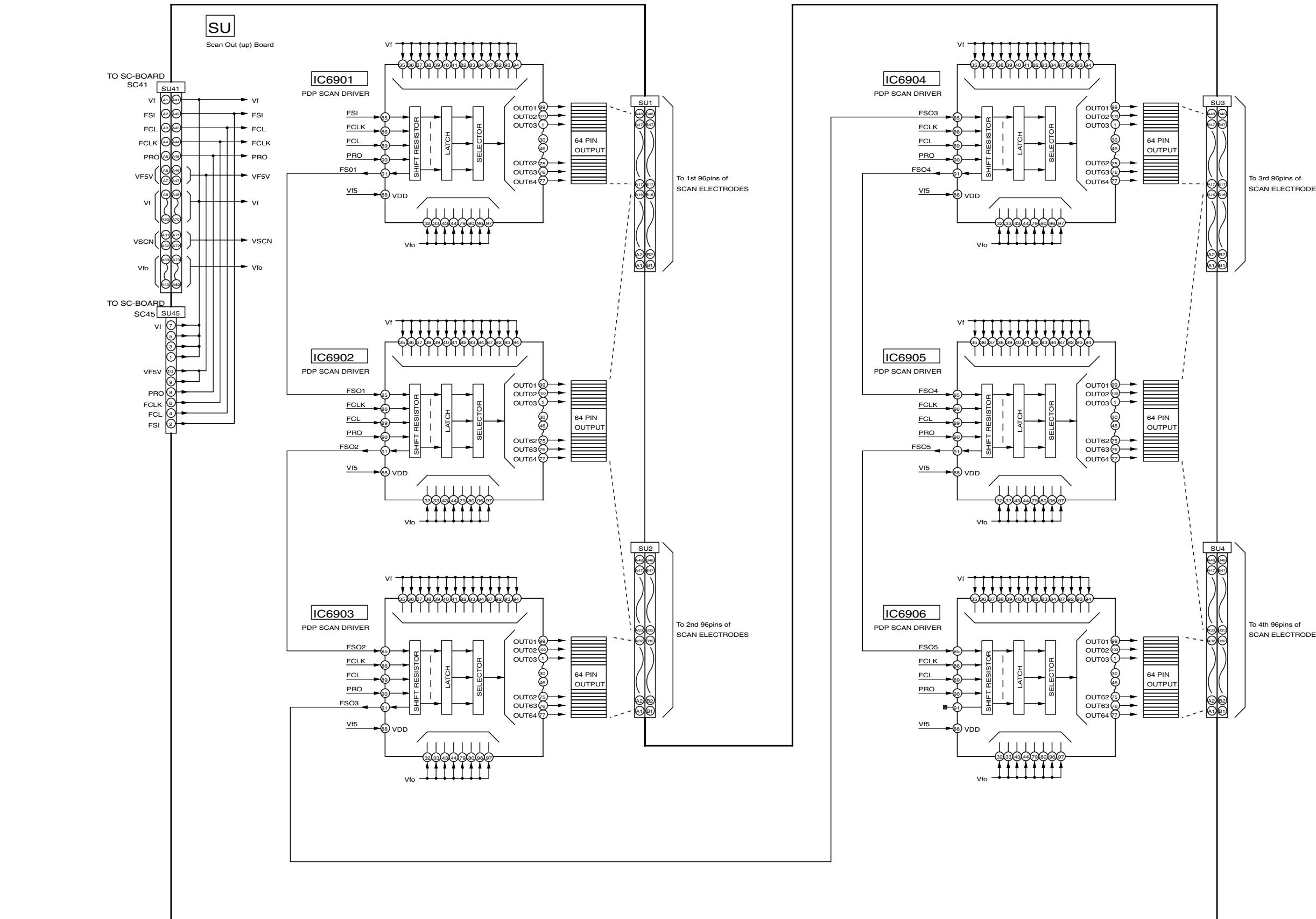
15.52. SC-Board (3 of 3) Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX SC-Board (3 of 3) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SC-Board (3 of 3) Schematic Diagram

15.53. SU-Board Block Diagram



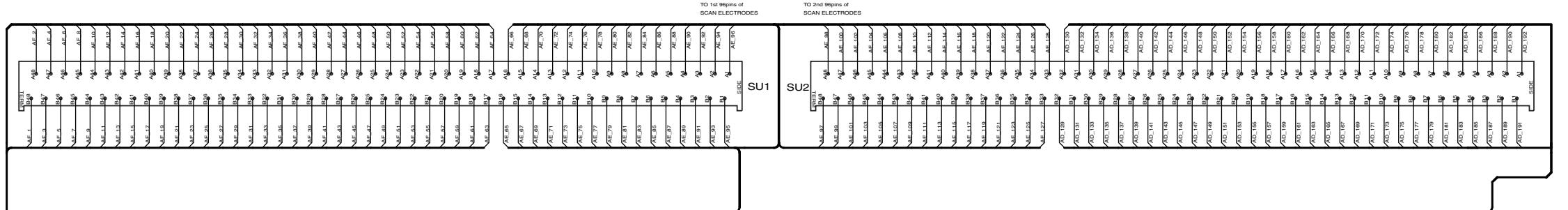
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/E SU-Board Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX SU-Board Block Diagram

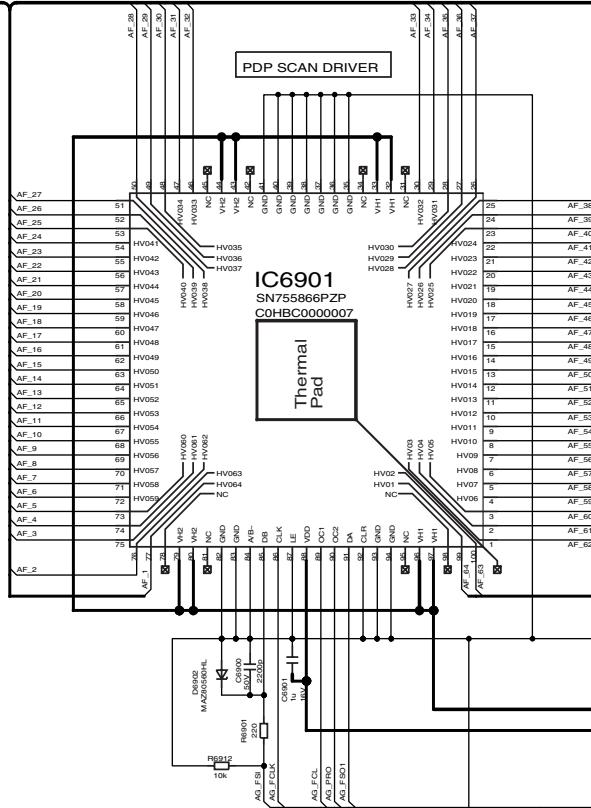
15.54. SU-Board (1 of 2) Schematic Diagram

A

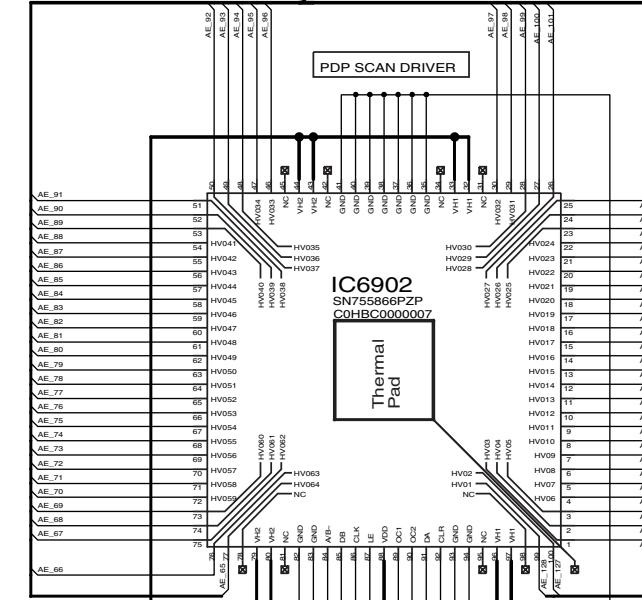
SU-BOARD TXNSU10UPS (1/2)



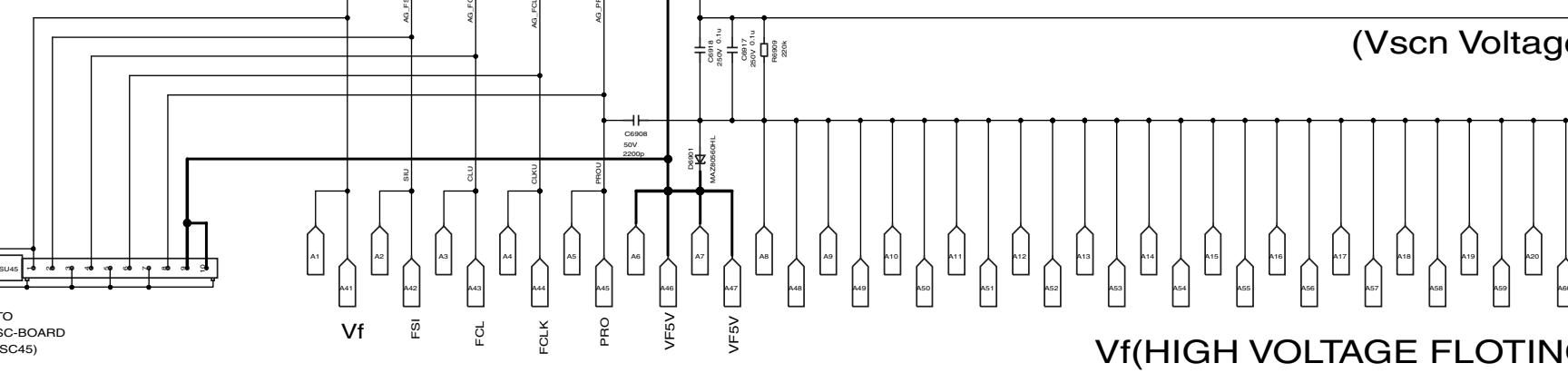
B



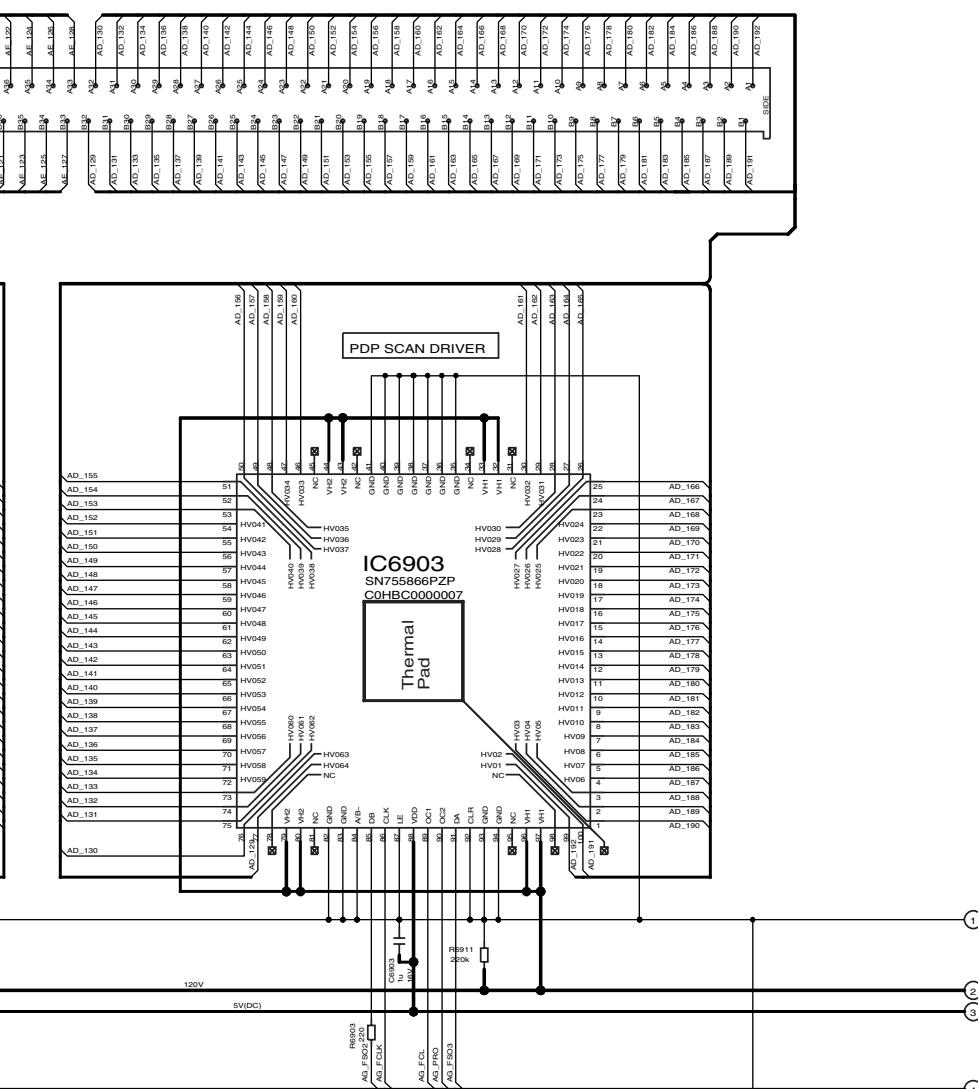
C



D



E



(Vsxn Voltage)

Vf(HIGH VOLTAGE FLOATING GND)

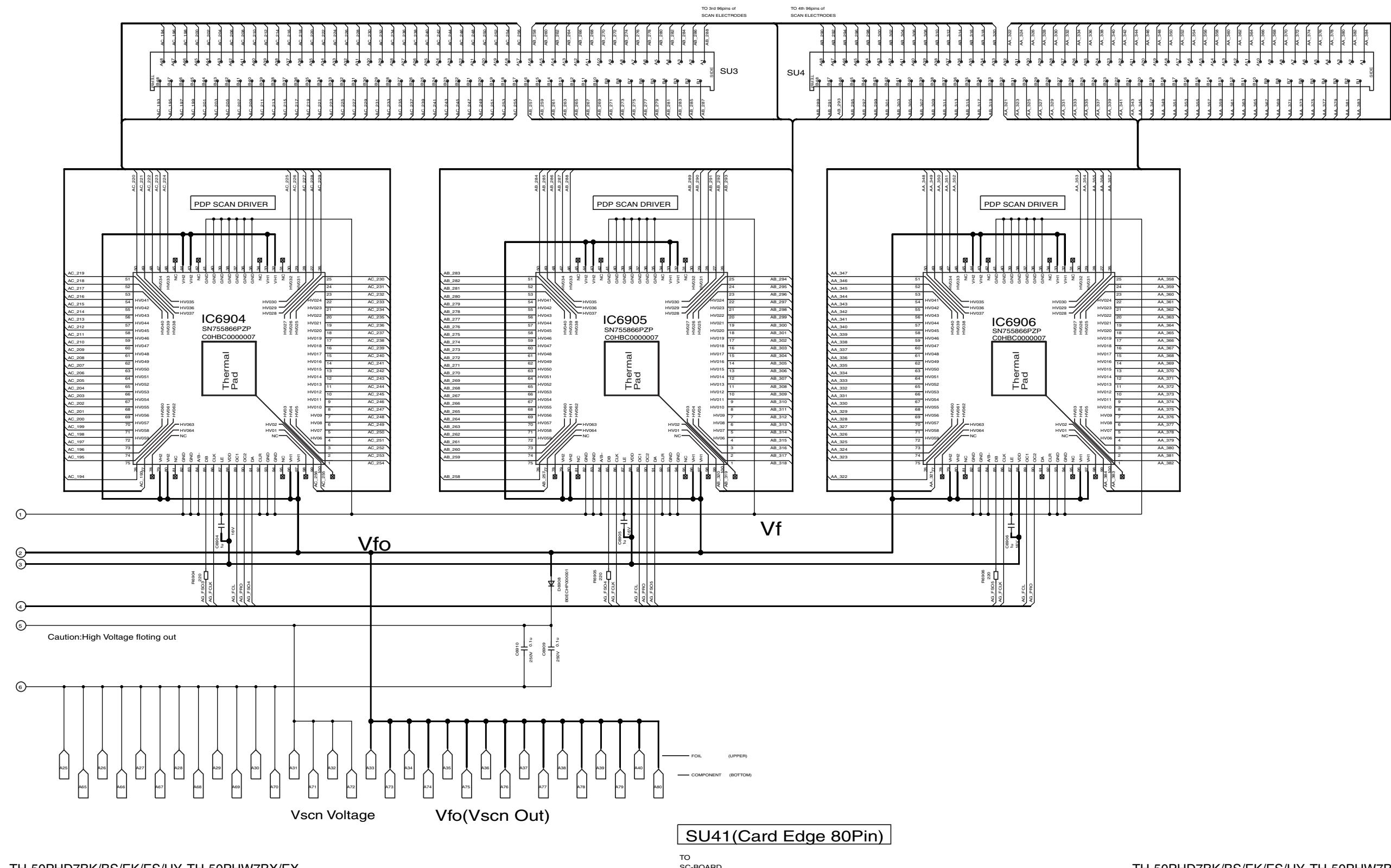
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SU-Board (1 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SU-Board (1 of 2) Schematic Diagram

15.55. SU-Board (2 of 2) Schematic Diagram



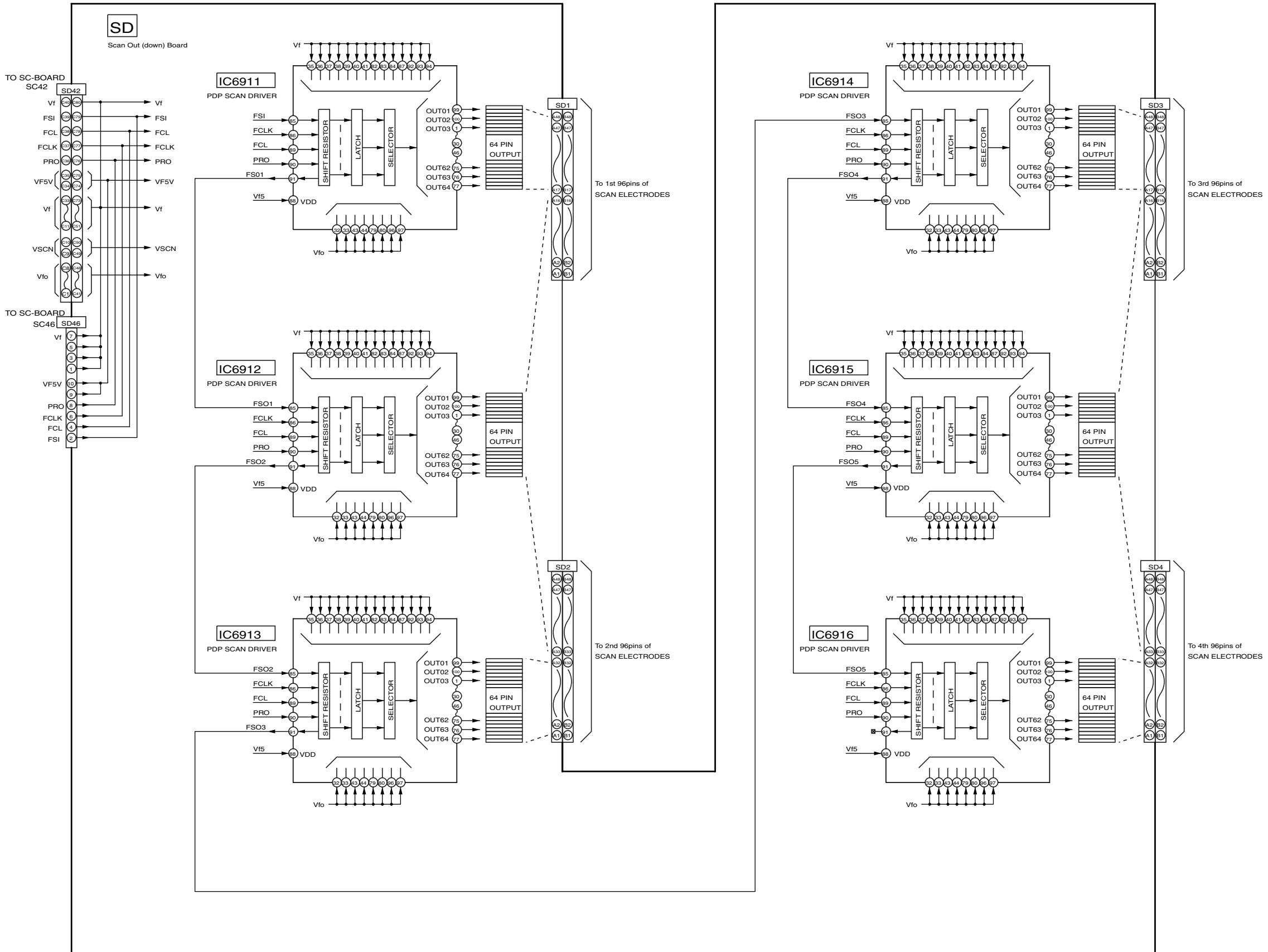
SU-BOARD TXNSU10UPS (2/2)



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SU-Board (2 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SU-Board (2 of 2) Schematic Diagram

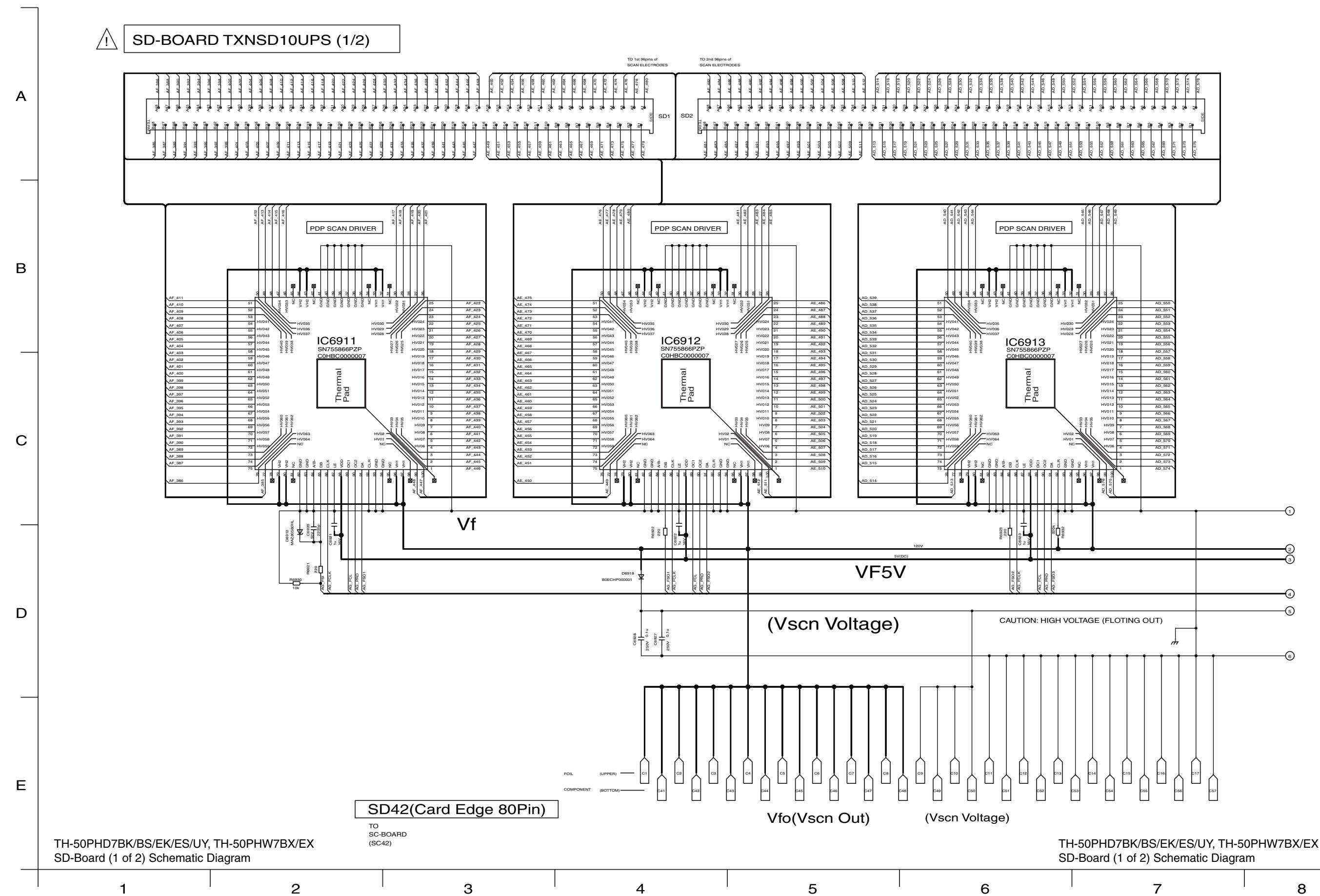
15.56. SD-Board Block Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SD-Board Block Diagram

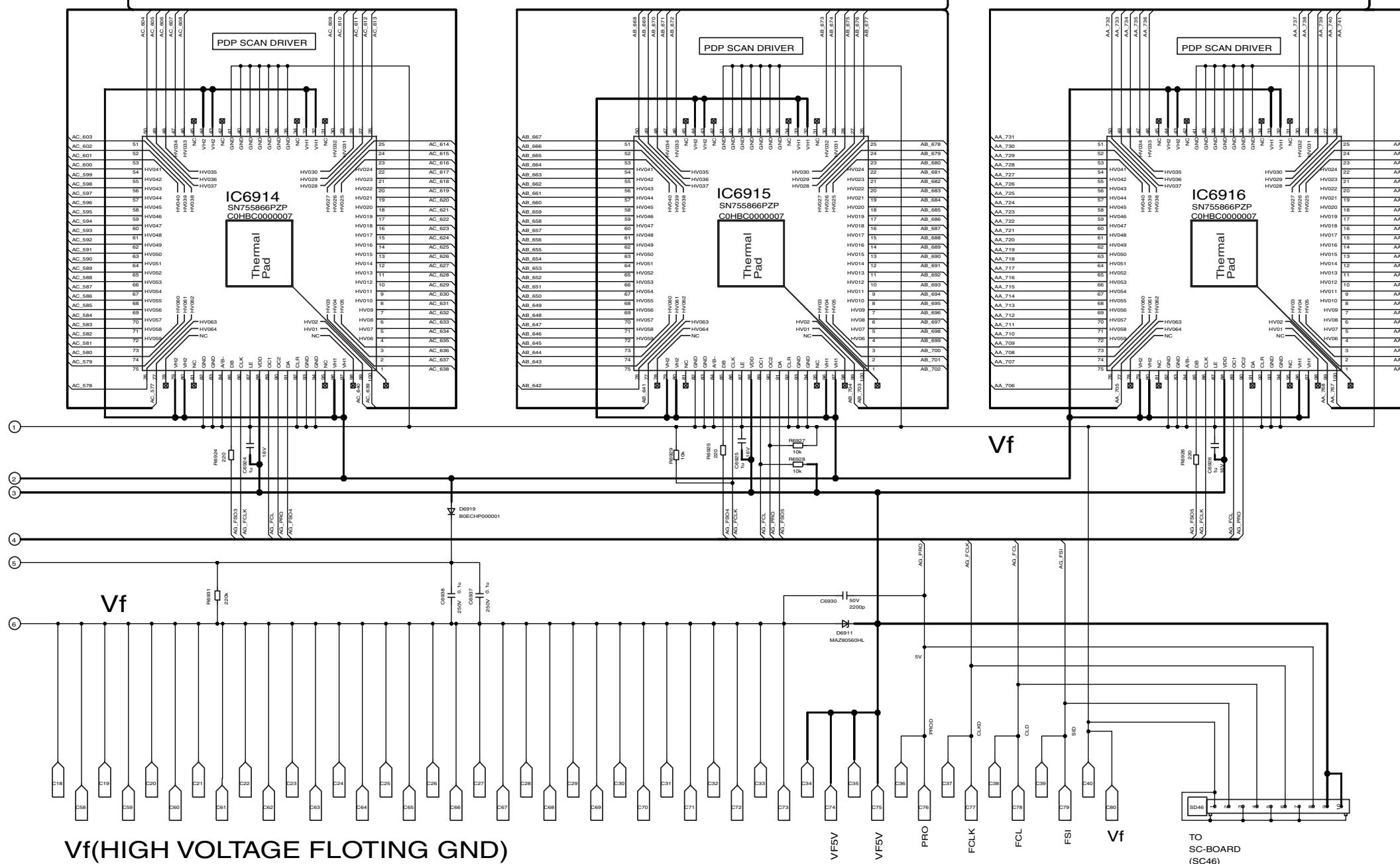
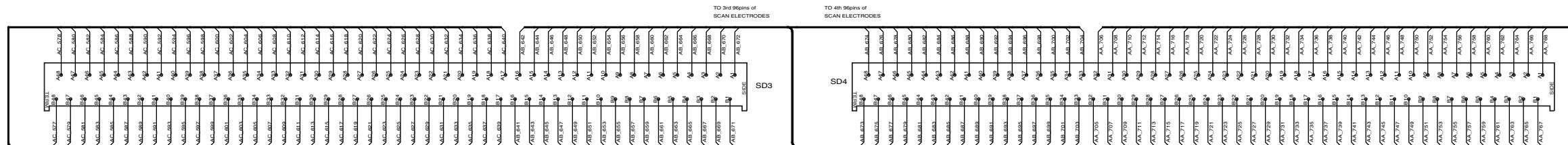
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SD-Board Block Diagram

15.57. SD-Board (1 of 2) Schematic Diagram



15.58. SD-Board (2 of 2) Schematic Diagram

SD-BOARD TXNSD10UPS (2/2)

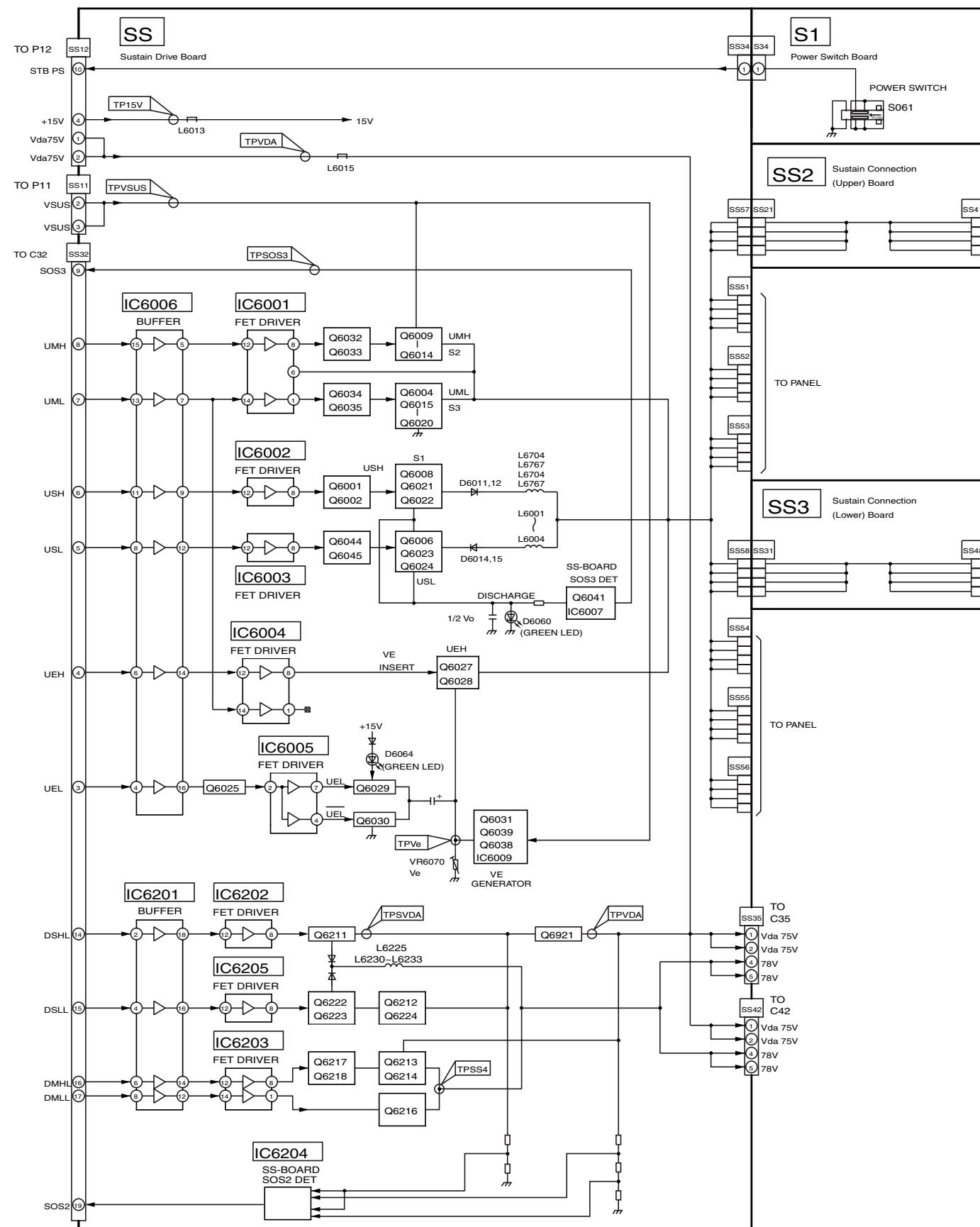


Vf(HIGH VOLTAGE FLOTING GND)

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX SD-Board (2 of 2) Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SD-Board (2 of 2) Schematic Diagram

15.59. SS, SS2, SS3 and S1-Board Block Diagram

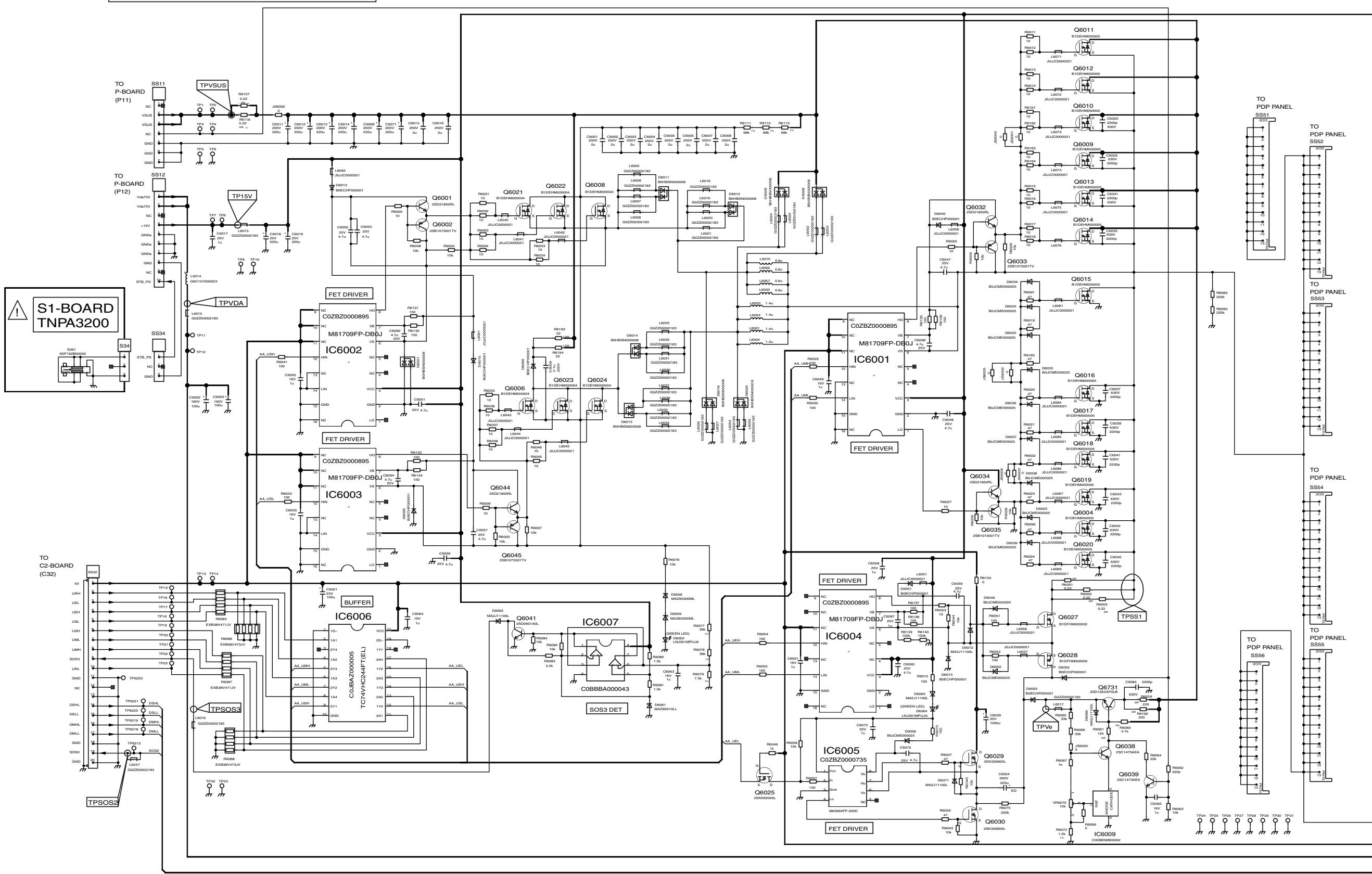


TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SS, SS2, SS3, and S1-Board Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SS, SS2, SS3, and S1-Board Block Diagram

15.60. SS-Board (1 of 2) and S1-Board Schematic Diagram

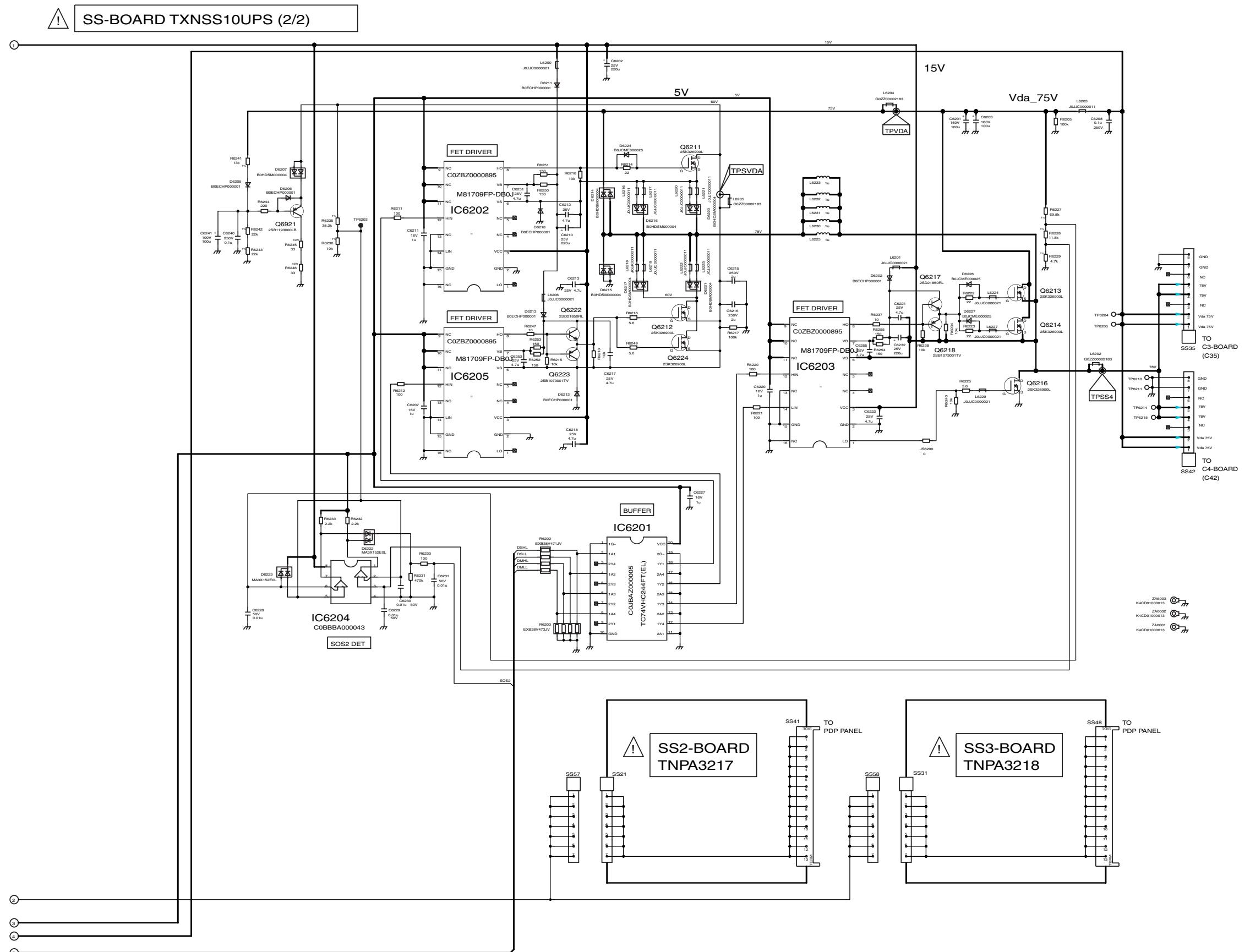
SS-BOARD TXNSS10UPS (1/2)



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SS-Board (1 of 2) and S1-Board Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
SS-Board (1 of 2) and S1-Board Schematic Diagram

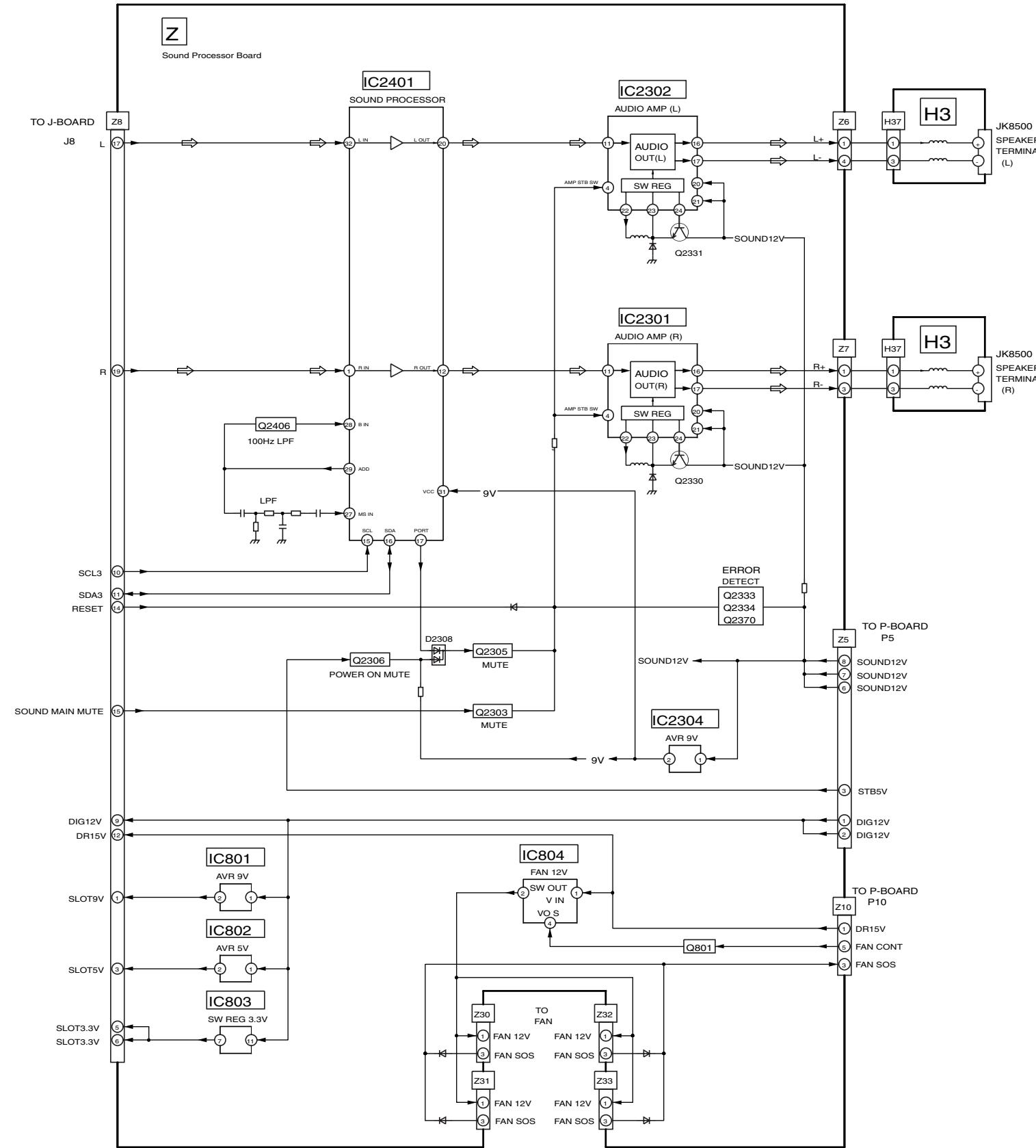
15.61. SS-Board (2 of 2), SS2 and SS3-Board Schematic Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX SS-Board (2 of 2), SS2-Board, and SS3-Board Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX SS-Board (2 of 2), SS2-Board, and SS3-Board Schematic Diagram

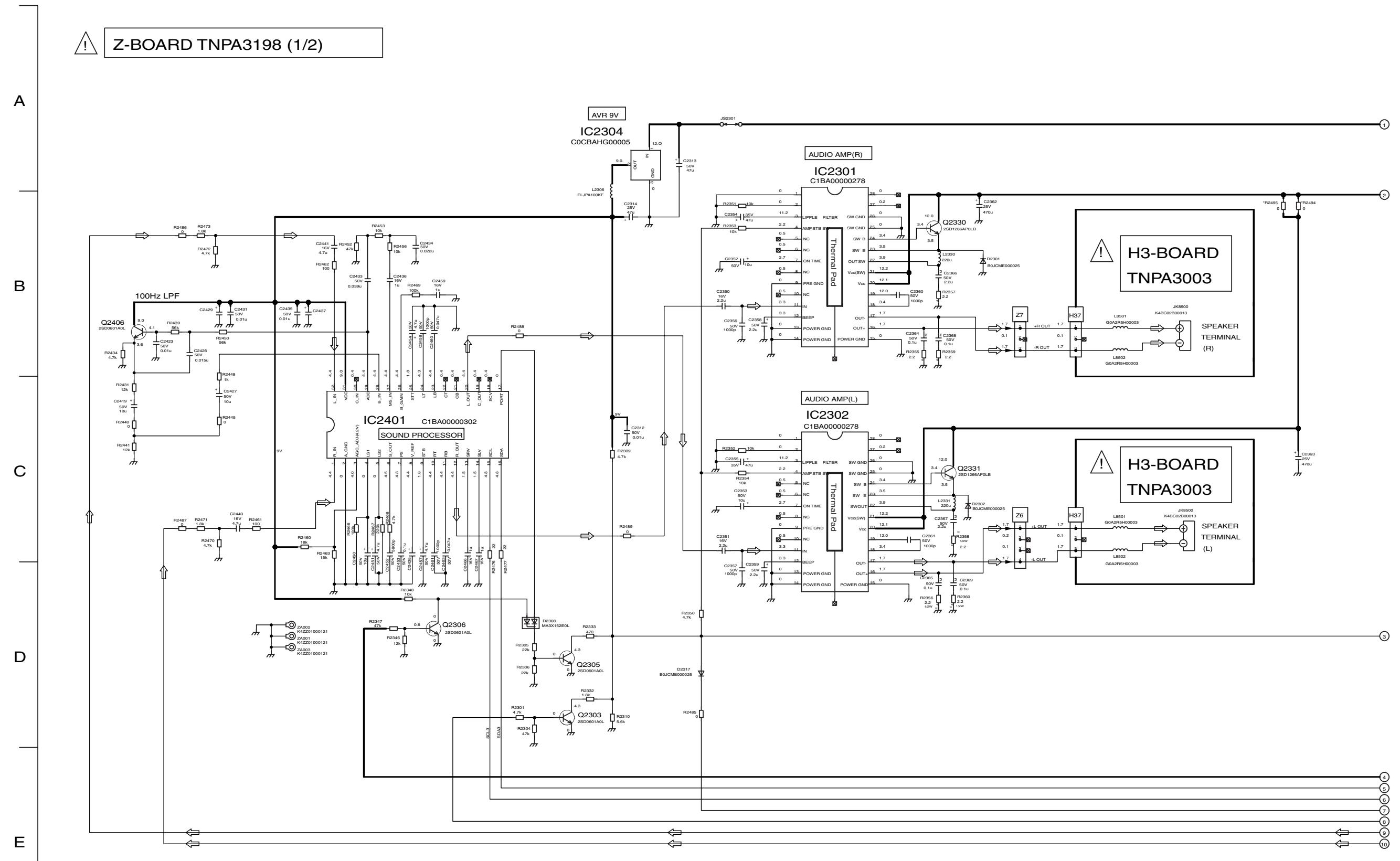
15.62. Z-Board and H3-Board Block Diagram



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
Z and H3-Board Block Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX
Z and H3-Board Block Diagram

15.63. Z-Board (1 of 2) and H3-Board Schematic Diagram

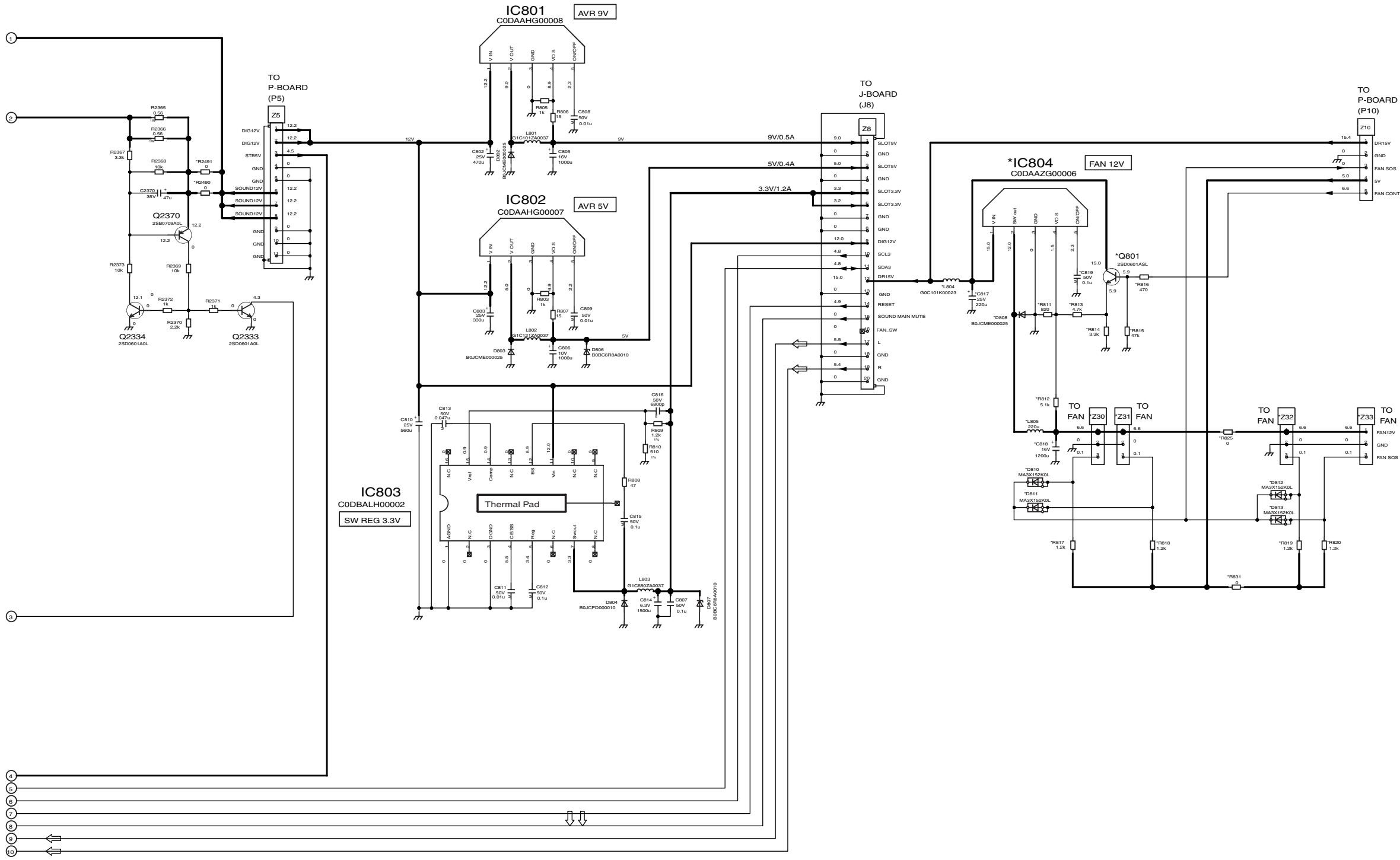


TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX Z-Board (1 of 2) and H3-Board Schematic Diagram

TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX Z-Board (1 of 2) and H3-Board Schematic Diagram

15.64. Z-Board (2 of 2) Schematic Diagram

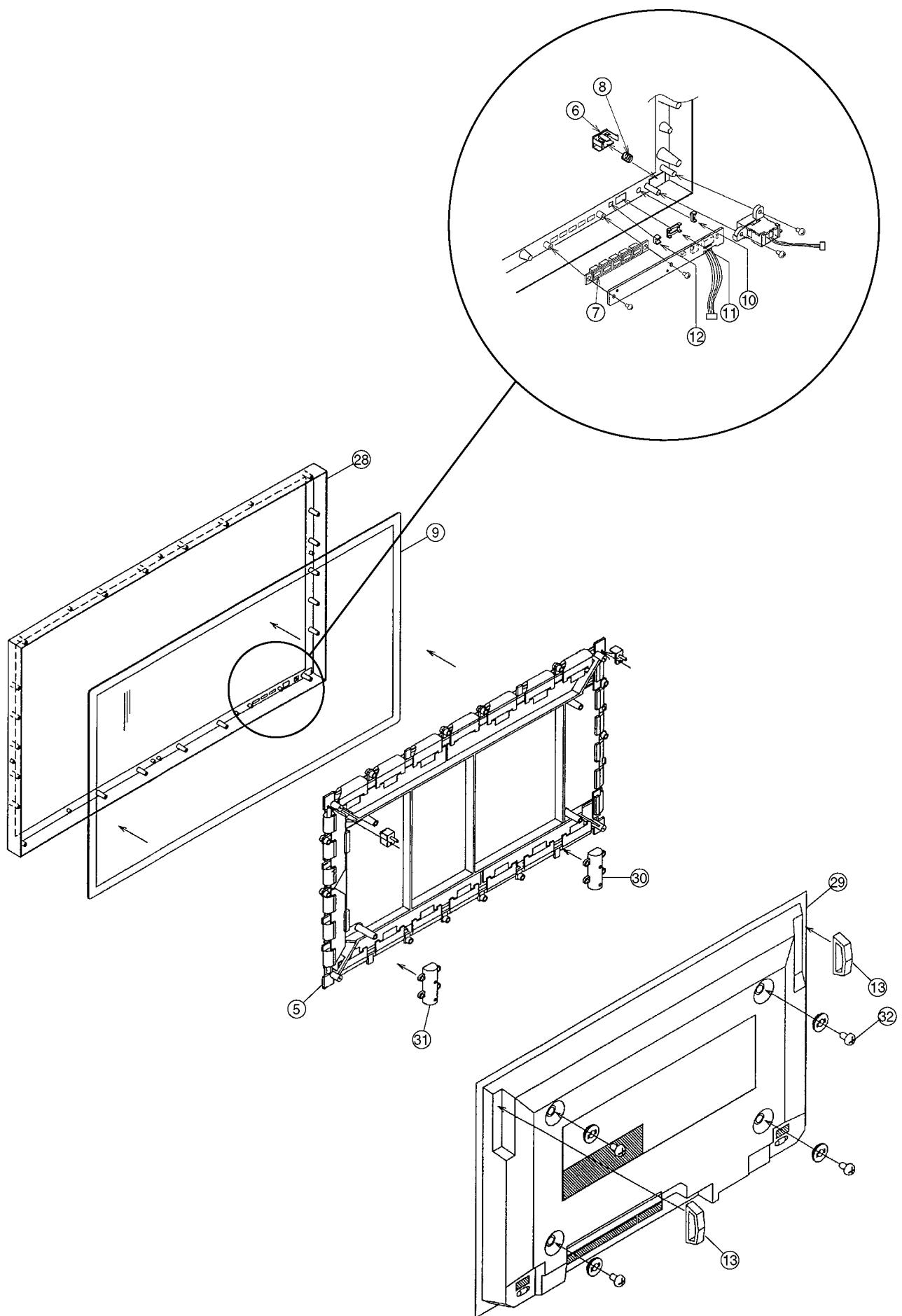
Z-BOARD TNPA3198 (2/2)



TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX Z-Board (2 of 2) Schematic Diagram

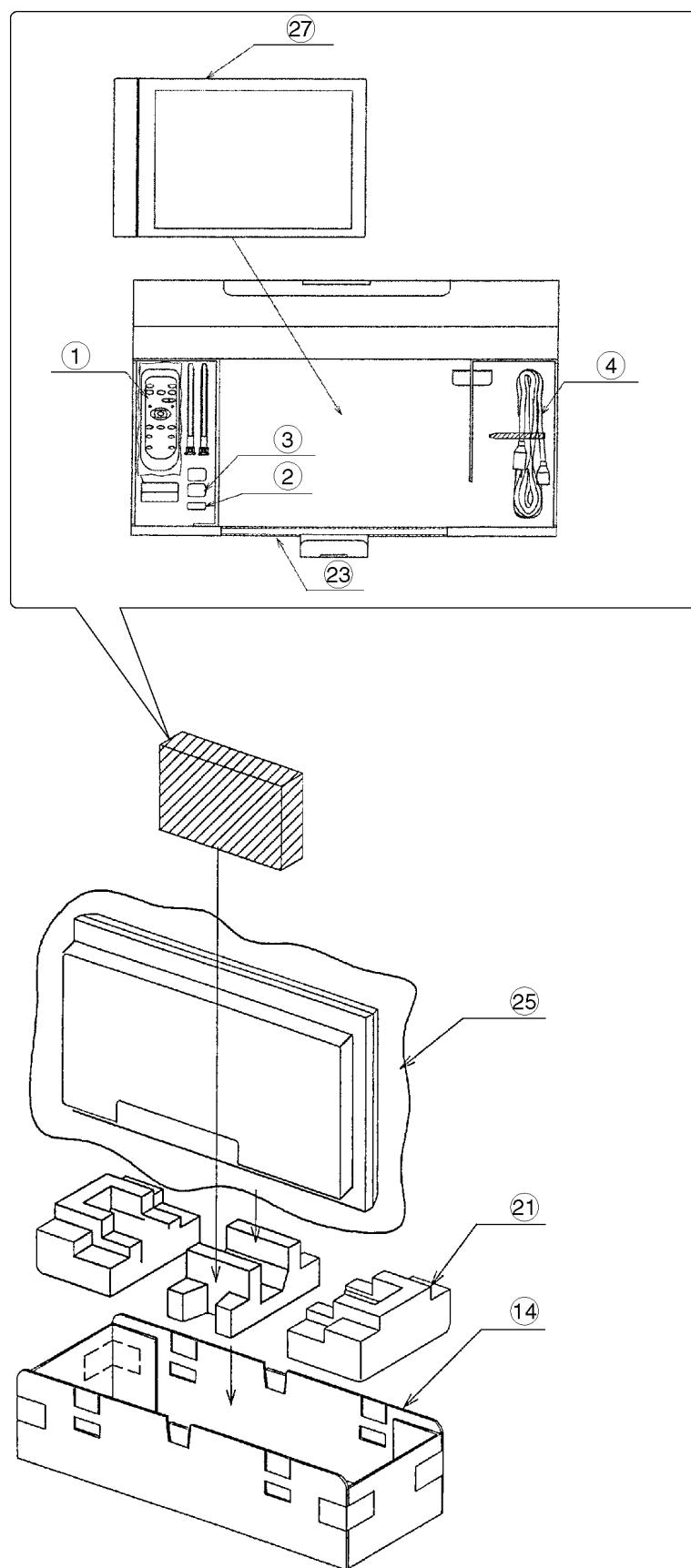
TH-50PHD7BK/BS/EK/ES/UY, TH-50PHW7BX/EX Z-Board (2 of 2) Schematic Diagram

16 Parts Location

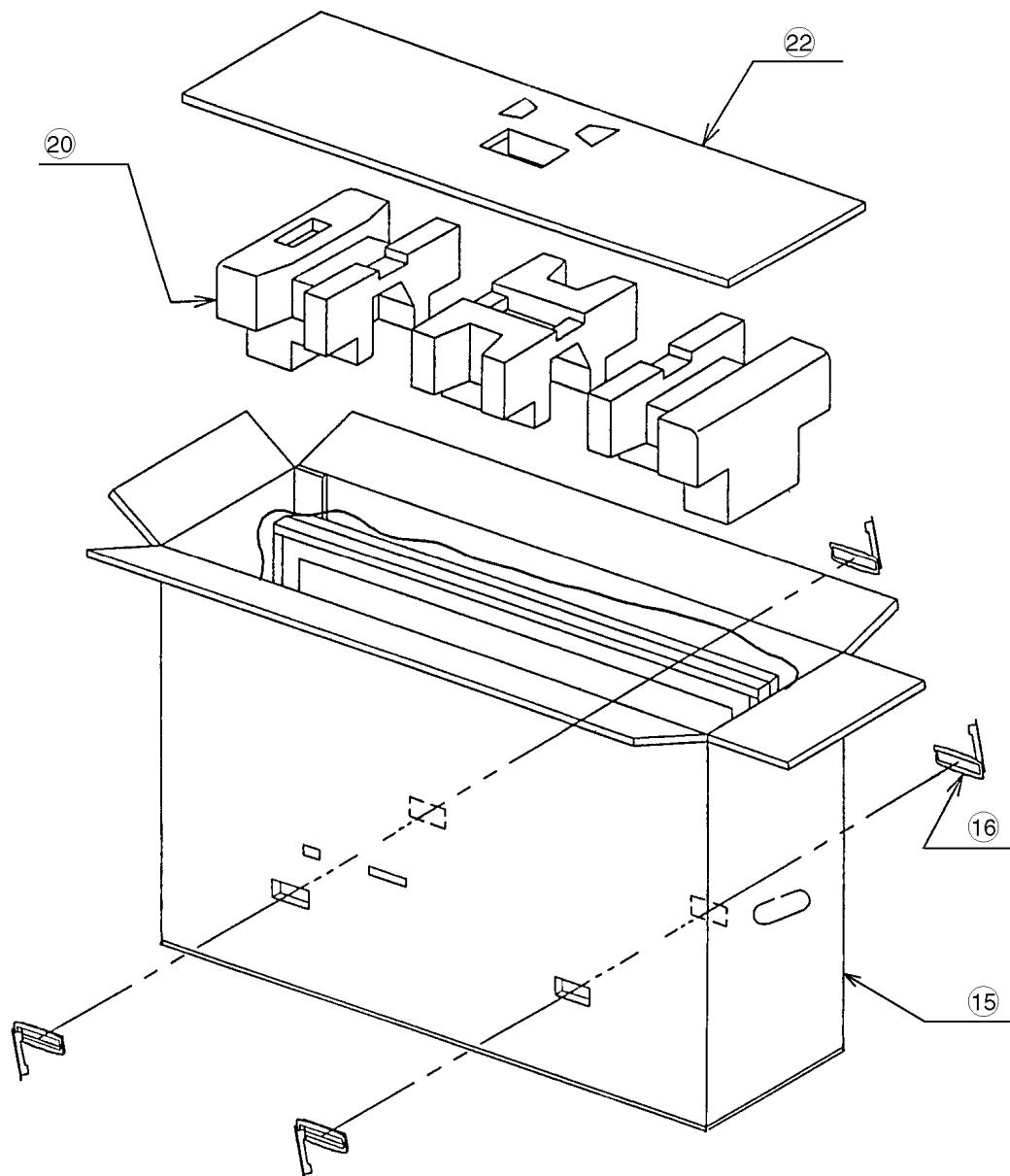


17 Packing Exploded Views

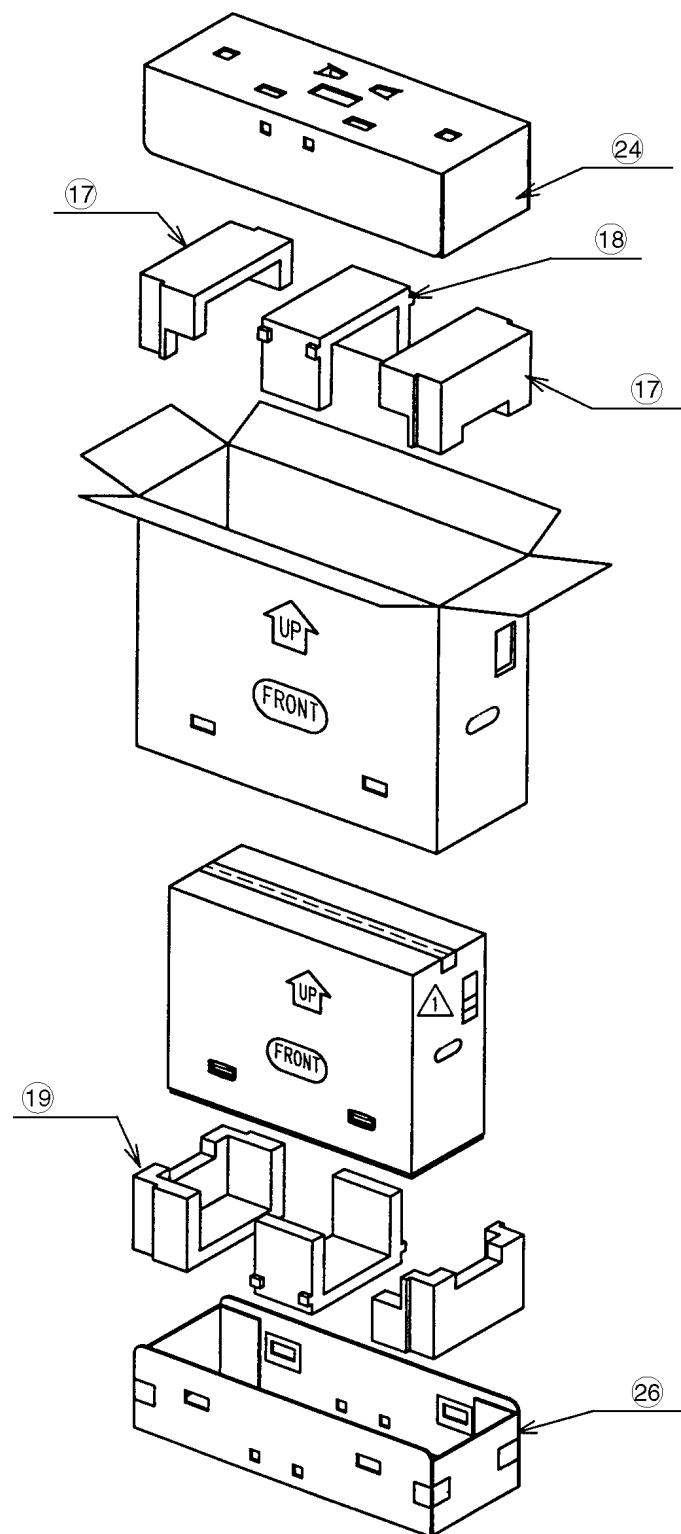
17.1. Packing Exploded Views (1)



17.2. Packing Exploded Views (2)



17.3. Packing Exploded Views (3)



18 Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EUR646529	REMOTE CONTROL	1	TH-50PHD7BK/BS/EK/ES/UY
1	EUR646530	REMOTE CONTROL	1	TH-50PHW7BX/EX
	J0KD00000071	FLAT CORE	4	
2	J0KF00000018	FILTER	1	
3	J0KG00000054	NOISE FILTER	2	
	K1LB03A00056	FAN	1	
	K2AH3H000027	AC INLET	1	△
4	K2CG3DH00025	AC CORD	1	TH-50PHD7UY △
4	K2CT3DH00018	AC CORD	1	TH-50PHD7BK/BS, TH-50PHW7BX △
4	K2CN3DH00006	AC CORD	1	TH-50PHD7EK/ES, TH-50PHW7EX △
	K4DQD000041	CABLE TERMINAL	40	
	L6FALEFH0028	FAN	1	
5	MD50H07A1J	PLASMA DISPLAY PANEL	1	△
	TBMA008	PANASONIC BADGE	1	TH-50PHD7BK/EK/UY
	TBMA118	PANASONIC BADGE	1	TH-50PHD7BS/ES, TH-50PHW7BX/EX
6	TBXA28202A	POWER BUTTON	1	TH-50PHD7BK/EK/UY
6	TBXA28214	POWER BUTTON	1	TH-50PHD7BS/ES, TH-50PHW7BX/EX
7	TBXA38902	HINDGE BUTTON	1	TH-50PHD7BK/EK/UY
7	TBXA38901	HINDGE BUTTON	1	TH-50PHD7BS/ES, TH-50PHW7BX/EX
8	TESD031	SPRING	1	
	THEA068N	SCREW	4	
	THEL023Z	SCREW	18	
	THEL027N	SCREW	29	
	THEL035N	SCREW	137	
	THTD010N	SCREW	3	
	THTD011	SCREW	3	
9	TKGA5175	FRONT GLASS	1	TH-50PHD7BK/BS/EK/ES/UY
9	TKGA5176	FRONT GLASS	1	TH-50PHW7BX/EX
10	TKKC5105	LED PANEL	1	
	TKKL5266	COVER	1	
11	TKPA60301	REMOCON RECEIVE PANEL	1	TH-50PHD7BK/EK/UY
11	TKPA60302	REMOCON RECEIVE PANEL	1	TH-50PHD7BS/ES, TH-50PHW7BX/EX
12	TKPA63401	PHOTO IC RECEIVE PANEL	1	
13	TKRA20501	HANDLE	2	
	TMKG252	CUSHION	2	
	TMKG253	CUSHION	2	
	TMKG335	CUSHION (FAN CENTER)	1	
	TMKG358	CUSHION	1	
	TMKG359	CUSHION	1	
	TMM15414-2	CLAMPER	1	
	TMM17499	CLAMPER	1	
	TMM23416	SPACER	12	
	TMM25401	CLAMPER	7	
	TMM7464-2	CLAMPER	1	
	TMM7468-1	CLAMPER	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TMME047	CLAMPER	4	
	TMME061	CLAMPER	2	
	TMME061	CLAMPER	2	
	TMME075	EADG SADOLE	1	
	TMME152	CLAMPER	1	
	TMME185	CLAMPER	2	
	TMME187	CLAMPER	2	
	TMME189	CLAMPER	1	
	TMME189	CLAMPER	1	
	TMME190	CLAMPER	1	
	TMME199	CLAMPER	5	
	TMME225	AC CORD CLAMPER	1	
	TMME228	CLAMPER	2	
	TMMJ074	CUSHION (RUBBER)	3	
	TMMJ082	CUSHION (RUBBER)	4	
	TMMX079	CLAMPER	4	
	TMMX095	BRACKET	2	
	TMWC006-1	POWER BUTTON BRACKET	1	
14	TPCA97201A	CARTON BOX(BOTTOM)	1	
15	TPCB45602	CARTON BOX	1	TH-50PHD7UY △
15	TPCB51817	CARTON BOX	1	TH-50PHW7BX △
15	TPCB51816	CARTON BOX	1	TH-50PHW7EX △
15	TPCB51818	CARTON BOX	1	TH-50PHD7ES △
15	TPCB51812	CARTON BOX	1	TH-50PHD7EK △
15	TPCB51813	CARTON BOX	1	TH-50PHD7BK △
15	TPCB51819	CARTON BOX	1	TH-50PHD7BS/ES, TH-50PHW7BX/EX △
16	TPD169487	JOINT	8	TH-50PHD7UY
16	TPD169487	JOINT	4	TH-50PHD7BK/BS/EK/ES, TH-50PHW7BX/EX
17	TPDA0675	CUSHION(UPPER)	1	TH-50PHD7UY
18	TPDA0676	CUSHION(CENTER)	1	TH-50PHD7UY
19	TPDA0794	CUSHION(BOTTOM)	1	TH-50PHD7UY
20	TPDA0943	CUSHION(UPPER)	1	
21	TPDA0944	CUSHION(BOTTOM)	1	
22	TPDF0536	PAD(TOP)	1	
23	TPDF0737	PAPER BOX	1	
24	TPDF0906	PAD(TOP)	1	TH-50PHD7UY
25	TPEH170	PROTECT COVER	1	
26	TPGA2170	CARTON BOX(BOTTOM)	1	TH-50PHD7UY
27	TQBC0835	INSTRUCTION BOOK(FRENCH)	1	TH-50PHD7UY △
27	TQBC0840	INSTRUCTION BOOK(ENGLISH)	1	TH-50PHD7UY △
27	TQBC0841	INSTRUCTION BOOK(SPANISH)	1	TH-50PHD7UY △
27	TQBC0906	INSTRUCTION BOOK(ENGLISH)	1	TH-50PHW7BX △
27	TQBC0898	INSTRUCTION BOOK(ENGLISH)	1	TH-50PHW7EX △
27	TQBC0899	INSTRUCTION BOOK(GERMAN)	1	TH-50PHW7EX △
27	TQBC0900	INSTRUCTION BOOK(FRENCH)	1	TH-50PHW7EX △
27	TQBC0901	INSTRUCTION BOOK(ITALIAN)	1	TH-50PHW7EX △
27	TQBC0902	INSTRUCTION BOOK(SPANISH)	1	TH-50PHW7EX △
27	TQBC0903	INSTRUCTION BOOK(DUTCH)	1	TH-50PHW7EX △
27	TQBC0904	INSTRUCTION BOOK(DANISH)	1	TH-50PHW7EX △
27	TQBC0905	INSTRUCTION BOOK(SWEDISH)	1	TH-50PHW7EX △

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
27	TQBC0810	INSTRUCTION BOOK (ENGLISH)	1	TH-50PHD7BK/BS △
27	TQBC0794	INSTRUCTION BOOK (ENGLISH)	1	TH-50PHD7EK/ES △
27	TQBC0795	INSTRUCTION BOOK (GERMAN)	1	TH-50PHD7EK/ES △
27	TQBC0796	INSTRUCTION BOOK (FRENCH)	1	TH-50PHD7EK/ES △
27	TQBC0797	INSTRUCTION BOOK (ITALIAN)	1	TH-50PHD7EK/ES △
27	TQBC0798	INSTRUCTION BOOK (SPANISH)	1	TH-50PHD7EK/ES △
27	TQBC0799	INSTRUCTION BOOK (DUTCH)	1	TH-50PHD7EK/ES △
27	TQBC0800	INSTRUCTION BOOK (DANISH)	1	TH-50PHD7EK/ES △
27	TQBC0801	INSTRUCTION BOOK (SWEDISH)	1	TH-50PHD7EK/ES △
	TQZH337	INSTRUCTION SHEET	1	
	TSXL139	CABLE SUS-FPC	8	
	TSXL212	CABLE (D-C2)	2	
	TSXL222	CABLE (C1-C2/C2-C3/C4-C)	4	
	TSXL223	CABLE (C1-C2/C2-C3)	4	
	TSXL287	CABLE SCN-FPC	8	
	TSXL290	CABLE (D-C5)	2	
28	TTEA0202	ESCUTCHEON	1	TH-50PHD7BK/EK/UY △
28	TTEA0203	ESCUTCHEON	1	TH-50PHW7BX/EX △
28	TTEA0204	ESCUTCHEON	1	TH-50PHD7BS/ES △
29	TTUA0958	REAR COVER	1	TH-50PHD7UY △
29	TTUA0960	REAR COVER	1	TH-50PHD7BK/BS △
29	TTUA0959	REAR COVER	1	TH-50PHD7EK/ES △
29	TTUA0966	REAR COVER	1	TH-50PHW7EX △
29	TTUA0967	REAR COVER	1	TH-50PHW7BX △
30	TXFMZ010MHS	STAND BRACKET (LEFT)	1	
31	TXFMZ020MHS	STAND BRACKET (RIGHT)	1	
	TXJSPLOQMS	SPEAKER LEAD (LEFT)	1	
	TXJSPROQMS	SPEAKER LEAD (RIGHT)	1	
	XTB4+10A	SCREW	23	
	XTBT964	SCREW	2	
	XTS3+10J	SCREW	1	
	XTV3+10J	SCREW	6	
	XTV3+6J	SCREW	2	
	XTW3+8T	SCREW	6	
	XYC3+JF12	SCREW	55	
	XYC4+FJ35FZ	SCREW	19	
	XYN3+F10	SCREW	4	
	XYN3+F10FZ	SCREW	2	
	XYN3+F8	SCREW	6	
	XYN3+J10	SCREW	11	
	XYN3+J12	SCREW	1	
	XYN3+J8	SCREW	3	
	XYN4+E8	SCREW	1	
	XYN5+C20	SCREW	8	
32	XYN8+F20FZ	SCREW	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	XZBT6506	POLY BAG	1	

19 Replacement Parts List

19.1. Replacement Parts List Notes

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

Type

Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V

Type

Allowance

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polypropylene	G : $\pm 3\text{pF}$
T : Tantalum	J : $\pm 5\text{pF}$
	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : $+100\%, -0\%$
	Z : $+80\%, -20\%$

19.2. Electrical Replacement List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F902	K5D312BL0008	FUSE	1	▲
F900.90 1	K5D802BNA003	FUSE	2	▲
C10	K1MN80B00002	CONNECTOR	1	
C11	K1MN20B00043	20P CONNECTOR	1	
C12	K1KA06A00183	6P CONNECTOR	1	
C13	K1KA08A00293	8P CONNECTOR	1	
C20, 21	K1MN80B00002	CONNECTOR	2	
C22, 23	K1MN20B00043	20P CONNECTOR	2	
C24, 25	K1MN80B00002	CONNECTOR	2	
C31	K1MN80B00002	CONNECTOR	1	
C32	K1KA20AA0009	20P CONNECTOR	1	
C33	K1MN20B00043	20P CONNECTOR	1	
C35	K1KA08A00293	8P CONNECTOR	1	
C41	K1MN80B00002	CONNECTOR	1	
C42	K1KA08A00293	8P CONNECTOR	1	
C43	K1MN20B00043	20P CONNECTOR	1	
C44	K1KA08A00232	8P CONNECTOR	1	
C50, 51	K1MN80B00002	CONNECTOR	2	
C52, 53	K1MN20B00043	20P CONNECTOR	2	
C54, 55	K1MN80B00002	CONNECTOR	2	
C60	K1MN80B00002	CONNECTOR	1	
C61	K1MN20B00043	20P CONNECTOR	1	
C62	K1KA06A00183	6P CONNECTOR	1	
C802	EEUFC1E471	E 470UF, 25V	1	
C803	EEUFC1E331	E 330UF, 25V	1	
C805	EEUFC1C102	E 1000UF, 16V	1	
C806	EEUFC1A102	E 1000UF, 10V	1	
C807	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C808, 09	ECQB1H103JF	P 0.01UF, J, 50V	2	
C810	EEUFC1E561	E 560UF, 25V	1	
C811	ECQB1H103JF	P 0.01UF, J, 50V	1	
C812	ECQB1H104JF	P 0.1UF, J, 50V	1	
C813	ECQB1H473JF	P 0.047UF, J, 50V	1	
C814	EEUFC0J152	E 1500UF, 6.3V	1	
C815	ECQB1H104JF	P 0.1UF, J, 50V	1	
C816	ECQB1H682JF3	P 6800PF, J, 50V	1	
C817	ECA1EHG221	E 220UF, 25V	1	
C818	EEUFC1C122	E 1200UF, 16V	1	
C819	ECQB1H104JF	P 0.1UF, J, 50V	1	
C901	ECQU2A105BN9	P 1UF, 250V	1	▲
C902, 03	ECKDNA471KB7	C 470PF, Z,	2	▲
C904	ECQU2A474BN9	P 0.47UF, 250V	1	▲
C907	ECQU2A105MGA	P 1UF, 250V	1	▲
C908, 09	ECKCNA221KB7	C 220PF, M,	2	▲
C910	EETHC2W101J	C 4700PF, Z, 450V	1	
C911	ECQE6223KF	P 0.022UF, K, 400V	1	
C912	EEUEB1H100SB	E 100UF, 25V	1	
C913	ECJ2XC1H221J	C 220PF, J, 50V	1	
C914	ECKD3D221KBN	C 220PF, K, 2KV	1	
C915	ECJ2XC1H471J	C 470PF, J, 50V	1	
C916	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C917	EEUEB1H100SB	E 100UF, 25V	1	
C918	ECJ2XC1H222J	C 2200PF, J, 50V	1	
C919	ECJ2XF1H224Z	C 0.22UF, Z, 50V	1	
C920	ECKDNA471KB7	C 470PF, Z,	1	▲
C930	EEUFC1E222	E 2200UF, 25V	1	
C931	ECKD3A331KBP	C 330PF, K, 1KV	1	
C932	EEUEB1E101	E 100UF, 25V	1	
C933	ECJ2FB1E105K	C 1UF, K, 16V	1	
C1530	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C2312	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2313	ECA1HHG470	E 47UF, 50V	1	
C2314	ECA1EHG470	E 47UF, 25V	1	
C2350, 5 1	TCUY1C225KBM	C 2.2UF, 16V	2	
C2352, 5 3	ECA1HHG100	E 10UF, 50V	2	
C2354, 5 5	ECA1VM470	E 47UF, 35V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2356, 5 7	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C2358, 5 9	ECA1HM2R2	E 2.2UF, 50V	2	
C2360, 6 1	ECJ2XC1H102J	C 1000PF, J, 50V	2	
C2362, 6 3	ECA1EM471	E 470UF, 25V	2	
C2364, 6 5	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2366, 6 7	ECQV1H225JM	P 2.2UF, J, 50V	2	
C2368, 6 9	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2370	ECA1VM470	E 47UF, 35V	1	
C2419	ECA1HHG100	E 10UF, 50V	1	
C2423	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2426	ECJ2XB1H153K	C 0.015UF, K, 50V	1	
C2427	ECA1HHG100	E 10UF, 50V	1	
C2429	EEAGA1C101	E 100UF, 16V	1	
C2431	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2433	ECJ2XB1H393K	C 0.039UF, K, 50V	1	
C2434	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C2435	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2436	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C2437, 3 8	EEAGA1C101	E 100UF, 16V	2	
C2440, 4 1	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C2450	ECA1HHG100	E 10UF, 50V	1	
C2451	ECA1HHG4R7	E 4.7UF, 50V	1	
C2452	ECJ2XB1H562K	C 5600PF, K, 50V	1	
C2453	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2454	ECA1HHG4R7	E 4.7UF, 50V	1	
C2457	ECA1HHG4R7	E 4.7UF, 50V	1	
C2458	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C2459	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C2460	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2461	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C2463	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2466, 6 7	ECJ3VB1C104K	C 0.10UF, K, 16V	2	
C3001	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C3002 02	ECJ2XB1E104K	C 0.1UF, K, 25V	1	HB
C3002	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C3003	EEVHP1A100	E 10UF, 10V	1	
C3004 02	EEEHB1C470P	C 47PF, J, 16V	1	
C3004	EEVHP1A100	E 10UF, 10V	1	HB
C3005 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3005	ECJ2XB1H682K	C 6800PF, K, 50V	1	
C3006 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3006	ECJ2XB1H682K	C 6800PF, K, 50V	1	
C3007 03	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3007 02	ECJ2XB1H682K	C 6800PF, K, 50V	1	HA
C3007	EEEHB1C470P	C 47PF, J, 16V	1	
C3008	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C3008 03	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3008 02	ECJ2XB1H682K	C 6800PF, K, 50V	1	HA
C3009	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3009 02	EEVHB1C470	E 47UF, 16V	1	HB
C3010	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3011 03	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3011 02	EEVHB1C470	E 47UF, 16V	1	HA
C3012	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3012 03	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3012 02	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	HA
C3013	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C3013 02	ECJ2XB1H682K	C 6800PF, K, 50V	1	HB
C3014	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C3014 02	EEVHB1C470	E 47UF, 16V	1	HB
C3015	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C3015 02	ECJ1XC1H470J	C 47PF, J, 50V	1	HB
C3016	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C3016 02	ECJ1XC1H220J	C 22PF, J, 50V	1	HB
C3017	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C3017 02	ECJ1XC1H680J	C 68PF, J, 50V	1	HB
C3018	EEEHB1C470P	C 47PF, J, 16V	1	
C3018 02	EEVHP1A100	E 10UF, 10V	1	HB
C3019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3019 02	ECJ3YB0J335K	C 33UF, J, 25V	1	HB
C3020	TCUY1C225KBM	C 2.2UF, 16V	1	
C3021 02	ECJ1VF1A105Z	C 1UF, Z, 10V	1	HA
C3021 03	ECJ2XB1H682K	C 6800PF, K, 50V	1	HB
C3021	TCUY1C225KBM	C 2.2UF, 16V	1	
C3022 03	ECJ1VF1A105Z	C 1UF, Z, 10V	1	HB
C3022 02	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	HA
C3022	TCUY1C225KBM	C 2.2UF, 16V	1	
C3023 02	EEVHB1C470	E 47UF, 16V	1	HB
C3023	TCUY1C225KBM	C 2.2UF, 16V	1	
C3024 02	ECJ3XB0J106M	C 10UF, M, 6.3V	1	HB
C3024-31	TCUY1C225KBM	C 2.2UF, 16V	8	
C3032	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3040, 4 1	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3051-54	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3055, 5 6	ECJ2XB1H682K	C 6800PF, K, 50V	2	
C3101	TCUY1C225KBM	C 2.2UF, 16V	1	
C3102 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3102	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3103 02	ECJ1VF1A105Z	C 1UF, Z, 10V	1	HB
C3103	TCUY1C225KBM	C 2.2UF, 16V	1	
C3104 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3104, 0 5	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3105 02	EEVHB0G221	E 220UF, 4V	1	HB
C3106 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3106	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3107 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3107	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3108 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3108	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3109 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3109	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3110 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3110	TCUY1C225KBM	C 2.2UF, 16V	1	
C3111 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3111	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3112 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3112	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3113 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3113	EEEHB1C470P	C 47PF, J, 16V	1	
C3114 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C3115 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3115	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3116 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3116	TCUY1C225KBM	C 2.2UF, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3117 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3117	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3118 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3118	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3119 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3119	TCUY1C225KBM	C 2.2UF, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3120 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3120	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3121 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3121	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3122 02	ECJ1VF1A105Z	C 1UF, Z, 10V	1	HB
C3122	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3123 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3123	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3124 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3124	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3125 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3125	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3126 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3126	TCUY1C225KBM	C 2.2UF, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3127 02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3127	ECJ2XB1H682K	C 6800PF, K, 50V	1	HB
C3128 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3128	EEEHB1C470P	C 47PF, J, 16V	1	TH-50PHD7BK/BS/EK/ES/UY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3129 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3129	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3130 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3130	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3131-02	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3134	EEVHB1C471	E 470UF, 16V	1	
C3135 02	ECJ1VB1C103K	C 0.01UF, K, 16V	1	HB
C3135	EEVHB1C471	E 470UF, 16V	1	
C3136 02	ECJ1XC1H330J	C 33PF, J, 50V	1	HB
C3136	EEVHB1C471	E 470UF, 16V	1	
C3137	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3138	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C3139	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3141 02	ECJ1XB0J105K	C 1UF, K, 16V	1	HB
C3141	TCUY1C225KBM	C 2.2UF, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3142 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3142	TCUY1C225KBM	C 2.2UF, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C3143	TCUY1C225KBM	C 2.2UF, 16V	1	
C3144 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3144	TCUY1C225KBM	C 2.2UF, 16V	1	
C3146	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3147	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C3148	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3149	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3150 02	ECJ1VB1C103K	C 0.01UF, K, 16V	1	HB
C3150	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3151	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3152	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3153	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3154	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3156	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3157	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C3158	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3159	EEVHB0G221	E 220UF, 4V	1	
C3160, 6 1	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3162-66	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C3167-78	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C3179	EEVHB0G221	E 220UF, 4V	1	
C3180-83	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3185	ECJ1XC1H060D	C 6PF, D, 50V	1	
C3186	ECJ1XC1H470J	C 47PF, J, 50V	1	
C3188	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3200	ECJ2XF1H682K	C 6800PF, K, 50V	1	
C3202-06	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C3207	EEVHB0G221	E 220UF, 4V	1	
C3208-14	ECJ1VF1A105Z	C 1UF, Z, 10V	7	
C3216, 1 7	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3218	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3253	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3254	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3255	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3256	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3257	ECJ1XB1H102K	C 1000UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3258	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3259	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3260	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3261	EEVHB0G221	E 220UF, 4V	1	
C3262	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3263, 4	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3265	EEVHB0G221	E 220UF, 4V	1	
C3266 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	HB
C3266-68	EEVHB1C471	E 470UF, 16V	3	TH-50PHD7BK/BS/EK/ES/UY
C3301	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3308	EEVHB0G221	E 220UF, 4V	1	
C3309	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3313	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3316, 7	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3318-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3322, 2 3	EEVHB0G221	E 220UF, 4V	2	
C3324	EEVHB0J101P	E 100UF, 6.3V	1	
C3325	EEVHB1C470	E 47UF, 16V	1	
C3327-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3405	EEEHB1C470P	C 47PF, J, 16V	1	
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3523	EEEHB1C470P	C 47PF, J, 16V	1	
C3524	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3550	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3551	EEEHB1C470P	C 47PF, J, 16V	1	
C3561, 2	ECJ2XB1H682K	C 6800PF, K, 50V	2	
C6001-08	ECWF2205JS	P 2UF, 250V	8	
C6009	F1L2E1040002	E 1000UF, 25V	1	
C6011-14	F2A2D221A022	E 220UF, 200V	4	
C6015, 1 6	ECWF2205JS	P 2UF, 250V	2	
C6017	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6018, 1 9	EEUFC1E221	E 220UF, 25V	2	
C6020	F1K2J222A014	C 2200UF, K, 6.3V	1	
C6021	ECA1EM101	E 100UF, 25V	1	
C6022, 2 3	ECA2CM101	E 100UF, 160V	2	
C6024	ECA2DHG221	E 220UF, 200V	1	
C6026	EEUFC1E102	E 1000UF, 25V	1	
C6029	F1K2J222A014	C 2200UF, K, 6.3V	1	
C6031	F1K2J222A014	C 2200UF, K, 6.3V	1	
C6033	F1K2J222A014	C 2200UF, K, 6.3V	1	
C6037	F1K2J222A014	C 2200UF, K, 6.3V	1	
C6039	F1K2J222A014	C 2200UF, K, 6.3V	1	
C6041-43	F1K2J222A014	C 2200UF, K, 6.3V	3	
C6045	F1K2J222A014	C 2200UF, K, 6.3V	1	
C6047, 4 8	F1L1E4750004	C 4.7UF, 25V	2	
C6049	TCUY1C105ZFN	C 1UF, 16V	1	
C6050, 5 1	F1L1E4750004	C 4.7UF, 25V	2	
C6052	TCUY1C105ZFN	C 1UF, 16V	1	
C6053	F1L1E4750004	C 4.7UF, 25V	1	
C6055	TCUY1C105ZFN	C 1UF, 16V	1	
C6056, 7	F1L1E4750004	C 4.7UF, 25V	2	
C6058	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6059, 6 0	F1L1E4750004	C 4.7UF, 25V	2	
C6061-64	TCUY1C105ZFN	C 1UF, 16V	4	
C6068	F2A2D221A022	E 220UF, 200V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6071	F2A2D221A022	E 220UF, 200V	1	
C6072	F1L1E4750004	C 4.7UF, 25V	1	
C6073	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6084	ECJ3XB2J222K	C 2200PF, K, 630V	1	
C6092	F1L1E4750004	C 4.7UF, 25V	1	
C6094	F1L1E4750004	C 4.7UF, 25V	1	
C6096	F1L1E4750004	C 4.7UF, 25V	1	
C6097	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6201	ECA2CM101	E 100UF, 160V	1	
C6202	EEUFC1E221	E 220UF, 25V	1	
C6203	ECA2CM101	E 100UF, 160V	1	
C6207	TCUY1C105ZFN	C 1UF, 16V	1	
C6208	F1L2E1040002	E 1000UF, 25V	1	
C6210	EEUFC1E221	E 220UF, 25V	1	
C6211	TCUY1C105ZFN	C 1UF, 16V	1	
C6212,1 3	F1L1E4750004	C 4.7UF, 25V	2	
C6215,1 6	ECWF2205JS	P 2UF, 250V	2	
C6217,1 8	F1L1E4750004	C 4.7UF, 25V	2	
C6220	TCUY1C105ZFN	C 1UF, 16V	1	
C6221,2 2	F1L1E4750004	C 4.7UF, 25V	2	
C6227	TCUY1C105ZFN	C 1UF, 16V	1	
C6228- 31	ECJ2XB1H103K	C 0.01UF, K, 50V	4	
C6232	EEUFC1E221	E 220UF, 25V	1	
C6240	F1L2E1040002	E 1000UF, 25V	1	
C6241	ECA2AHG101	E 100UF, 100V	1	
C6251	F1L1E4750004	C 4.7UF, 25V	1	
C6253	F1L1E4750004	C 4.7UF, 25V	1	
C6255	F1L1E4750004	C 4.7UF, 25V	1	
C6447	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6453	TCUY1C105ZFN	C 1UF, 16V	1	
C6454	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6455	EEUFC1E221	E 220UF, 25V	1	
C6456	ECA2CM101	E 100UF, 160V	1	
C6458	F1L1E4750004	C 4.7UF, 25V	1	
C6459	EEUFC1E470	E 47UF, 25V	1	
C6461	ECA1HM101	E 100UF, 50V	1	
C6462,6 3	F1L1E4750004	C 4.7UF, 25V	2	
C6465	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6466,6 7	F1L1E4750004	C 4.7UF, 25V	2	
C6472	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6473	TCUY1C105ZFN	C 1UF, 16V	1	
C6474	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6475	EEUFC1E221	E 220UF, 25V	1	
C6476	ECA2CM101	E 100UF, 160V	1	
C6490,9 1	F1K2J222A014	C 2200UF, K, 6.3V	2	
C6492	EEUED2V100	E 10UF,	1	
C6493	ECJ3XB2J222K	C 2200PF, K, 630V	1	
C6501- 08	TCUY1C105ZFN	C 1UF, 16V	8	
C6509	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6510- 12	F1L1E4750004	C 4.7UF, 25V	3	
C6513	ECA2CM101	E 100UF, 160V	1	
C6514	TCUY1C105ZFN	C 1UF, 16V	1	
C6515,1 6	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6517	TCUY1C105ZFN	C 1UF, 16V	1	
C6519	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6521	F1L1E4750004	C 4.7UF, 25V	1	
C6522	ECA1VM470	E 47UF, 35V	1	
C6524,2 5	ECJ3FC2D102J	C 1000PF, J, 200V	2	
C6526,2 7	ECA2EHG470	E 47UF, 250V	2	
C6532	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C6533	TCUY1C105ZFN	C 1UF, 16V	1	
C6534	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6535	EEUFC1E221	E 220UF, 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6536	ECA1HM221	E 220UF, 50V	1	
C6537	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6541,4 2	F1L1E4750004	C 4.7UF, 25V	2	
C6543- 45	ECJ3FC2D102J	C 1000PF, J, 200V	3	
C6546	F1L1E4750004	C 4.7UF, 25V	1	
C6550	ECA2CM101	E 100UF, 160V	1	
C6551	ECQE2105RKB	P 1UF, 250V	1	
C6561- 68	ECWF2205JS	P 2UF, 250V	8	
C6571	TCUY1C105ZFN	C 1UF, 16V	1	
C6574- 78	TCUY1C105ZFN	C 1UF, 16V	5	
C6580,8	TCUY1C105ZFN	C 1UF, 16V	2	
C6584	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6585	TCUY1C105ZFN	C 1UF, 16V	1	
C6598	ECA2CM101	E 100UF, 160V	1	
C6600- 05	F2A2D221A022	E 220UF, 200V	6	
C6607,0 8	ECWF2205JS	P 2UF, 250V	2	
C6609	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6610	ECA1EM471	E 470UF, 25V	1	
C6613- 20	F1K2J222A014	C 2200UF, K, 6.3V	8	
C6621,2 2	F1L1E4750004	C 4.7UF, 25V	2	
C6623,2 4	TCUY1C105ZFN	C 1UF, 16V	2	
C6632,3 3	F1K2J222A014	C 2200UF, K, 6.3V	2	
C6638	F1L1E4750004	C 4.7UF, 25V	1	
C6639	F1L2E1040002	E 1000UF, 25V	1	
C6640	TCUY1C105ZFN	C 1UF, 16V	1	
C6641,4 2	F1L1E4750004	C 4.7UF, 25V	2	
C6643	F1L2E1040002	E 1000UF, 25V	1	
C6646	F1L1E4750004	C 4.7UF, 25V	1	
C6650,5 1	F1L1E4750004	C 4.7UF, 25V	2	
C6652	TCUY1C105ZFN	C 1UF, 16V	1	
C6653	F1L1E4750004	C 4.7UF, 25V	1	
C6680	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C6681,8 2	TCUY1C105ZFN	C 1UF, 16V	2	
C6683,8 4	EEUFC1E470	E 47UF, 25V	2	
C6801	ECA2CM101	E 100UF, 160V	1	
C6803	ECA2CM101	E 100UF, 160V	1	
C6807	TCUY1C105ZFN	C 1UF, 16V	1	
C6808	F1L2E1040002	E 1000UF, 25V	1	
C6809,1 0	EEUFC1E221	E 220UF, 25V	2	
C6811	TCUY1C105ZFN	C 1UF, 16V	1	
C6812,1 3	F1L1E4750004	C 4.7UF, 25V	2	
C6815,1 6	ECWF2205JS	P 2UF, 250V	2	
C6817,1 8	F1L1E4750004	C 4.7UF, 25V	2	
C6820	TCUY1C105ZFN	C 1UF, 16V	1	
C6821,2 2	F1L1E4750004	C 4.7UF, 25V	2	
C6827	TCUY1C105ZFN	C 1UF, 16V	1	
C6828- 31	ECJ2XB1H103K	C 0.01UF, K, 50V	4	
C6832	EEUFC1E221	E 220UF, 25V	1	
C6840	F1L2E1040002	E 1000UF, 25V	1	
C6841	ECA2AHG101	E 100UF, 100V	1	
C6850	F1L1E4750004	C 4.7UF, 25V	1	
C6852	F1L1E4750004	C 4.7UF, 25V	1	
C6854	F1L1E4750004	C 4.7UF, 25V	1	
C6900	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6901- 06	TCUY1C105ZFN	C 1UF, 16V	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6908	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6909, 1 0	F1L2E1040002	E 1000UF, 25V	2	
C6917, 1 8	F1L2E1040002	E 1000UF, 25V	2	
C6920	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6921- 26	TCUY1C105ZFN	C 1UF, 16V	6	
C6927, 2 8	F1L2E1040002	E 1000UF, 25V	2	
C6930	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6937, 3 8	F1L2E1040002	E 1000UF, 25V	2	
C7101, 0 2	TCUY1C105ZFN	C 1UF, 16V	2	
C7107- 10	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7111- 14	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7115- 18	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7125, 2 6	TCUY1C105ZFN	C 1UF, 16V	2	
C7129	TCUY1C105ZFN	C 1UF, 16V	1	
C7130	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7131- 34	TCUY1C105ZFN	C 1UF, 16V	4	
C7135- 38	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C7139	TCUY1C105ZFN	C 1UF, 16V	1	
C7140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7150- 53	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7201	TCUY1C105ZFN	C 1UF, 16V	1	
C7202	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7203	TCUY1C105ZFN	C 1UF, 16V	1	
C7206	TCUY1C105ZFN	C 1UF, 16V	1	
C7208	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7212	TCUY1C105ZFN	C 1UF, 16V	1	
C7213, 1 4	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7215	TCUY1C105ZFN	C 1UF, 16V	1	
C7216	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7217, 1 8	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7221	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7222	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	1	
C7223, 2 4	TCUY1C105ZFN	C 1UF, 16V	2	
C7225	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7226	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	1	
C7227	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7230	TCUY1C105ZFN	C 1UF, 16V	1	
C7231	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7238- 40	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7301	TCUY1C105ZFN	C 1UF, 16V	1	
C7302	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7303	TCUY1C105ZFN	C 1UF, 16V	1	
C7304	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7305- 07	TCUY1C105ZFN	C 1UF, 16V	3	
C7308, 0 9	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7310	TCUY1C105ZFN	C 1UF, 16V	1	
C7311, 1 2	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7315, 1 6	TCUY1C105ZFN	C 1UF, 16V	2	
C7323	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7324, 2 5	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7326	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7327, 2 8	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7329	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7331- 34	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7339, 4 0	TCUY1C105ZFN	C 1UF, 16V	2	
C7350- 54	ECJ1XC1H101J	C 100PF, J, 50V	5	
C7401, 0 2	TCUY1C105ZFN	C 1UF, 16V	2	
C7403	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7404	TCUY1C105ZFN	C 1UF, 16V	1	
C7406	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7408- 11	TCUY1C105ZFN	C 1UF, 16V	4	
C7412- 15	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C7418, 1 9	TCUY1C105ZFN	C 1UF, 16V	2	
C7424- 27	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7428- 31	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7432- 35	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7440, 4 1	TCUY1C105ZFN	C 1UF, 16V	2	
C7451- 54	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7501	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7502	TCUY1C105ZFN	C 1UF, 16V	1	
C7506, 0 7	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7511, 1 2	TCUY1C105ZFN	C 1UF, 16V	2	
C7513	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7516, 1 7	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7518	TCUY1C105ZFN	C 1UF, 16V	1	
C7519	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7520	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7521	TCUY1C105ZFN	C 1UF, 16V	1	
C7522	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7523, 2 4	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7525	TCUY1C105ZFN	C 1UF, 16V	1	
C7527	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7529	TCUY1C105ZFN	C 1UF, 16V	1	
C7530	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7540- 42	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7601, 0 2	TCUY1C105ZFN	C 1UF, 16V	2	
C7607- 10	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7611- 14	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7615- 18	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7623, 2 4	TCUY1C105ZFN	C 1UF, 16V	2	
C7629	TCUY1C105ZFN	C 1UF, 16V	1	
C7630	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7631- 34	TCUY1C105ZFN	C 1UF, 16V	4	
C7635- 38	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C7639	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7640	TCUY1C105ZFN	C 1UF, 16V	1	
C7649- 52	ECJ1XC1H101J	C 100PF, J, 50V	4	
C8001	EEEHB1C470P	C 47PF, J, 16V	1	
C8002	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	TH- 50PHD7BK/BS/E K/ES/UY
C8003	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C8005	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8006	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	TH- 50PHD7BK/BS/E K/ES/UY
C8007	ECJ1XC1H101J	C 100PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8008	ECJ1XC1H101J	C 100PF, J, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8009	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C8011	ECJ3XB0J106M	C 10UF, M, 6.3V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8014	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8017	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8018	ECJ3YB1A475K	C 0.047UF, K, 10V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8019	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C8020	ECJ1VB1H103K	C 0.01UF, K, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8021	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8022	ECJ3VB1C474K	C 0.47UF, K, 16V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8023	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C8024	ECJ1VB1H103K	C 0.01UF, K, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8025	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C8026	ECJ1VB1H103K	C 0.01UF, K, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8027	TCUY1C225KBM	C 2.2UF, 16V	1	
C8029	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8030	EEEHB1C470P	C 47PF, J, 16V	1	
C8031	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8032	EEEHB1C470P	C 47PF, J, 16V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8033	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8034	ECJ1XC1H102J	C 1000PF, J, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8036	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8037	ECJ1XC1H101J	C 100PF, J, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8038	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C8039	ECJ2XC1H102J	C 1000PF, J, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8041	TCUY1C225KBM	C 2.2UF, 16V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8043	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8045	ECJ2XB1H682K	C 6800PF, K, 50V	1	
C8049	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8050	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	TH-50PHD7BK/BS/E/K/ES/UY
C8051	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8070	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8071	EEEHB1C470P	C 47PF, J, 16V	1	
C8072,7 3	ECJ3YF1A106Z	C 10UF, Z, 10V	2	
C8080- 83	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C8084	TCUY1C105ZFN	C 1UF, 16V	1	
C8100	EEEHB1C470P	C 47PF, J, 16V	1	
C8101	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8102- 07	EEEHB1C470P	C 47PF, J, 16V	6	
C8108,0 9	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8110	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8111- 13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C8114	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8115	EEEHB1C470P	C 47PF, J, 16V	1	
C8116,1 7	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C8118	EEEHB1C470P	C 47PF, J, 16V	1	
C8119	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8120	EEEHB1C470P	C 47PF, J, 16V	1	
C8121	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8122	EEEHB1C470P	C 47PF, J, 16V	1	
C8123	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8181,8 2	ECJ1XC1H150J	C 15PF, J, 50V	2	
C8183	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8185	EECS5R5H155	E 1.5UF, 5.5V	1	
C8200	EEEHB1C470P	C 47PF, J, 16V	1	
C9000,0 1	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9002	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9003	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9005	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9013	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9015,1 6	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9018	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9019	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9020	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9021	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9022	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9024	EEEHB1C470P	C 47PF, J, 16V	1	
C9025,2 6	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9028	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9029	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9030	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9031	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9033,3 4	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9036	ECJ1XC1H220J	C 22PF, J, 50V	1	
C9037	ECJ1VC1H270J	C 27PF, J, 50V	1	
C9038,3 9	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9041	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9043- 45	TCUY1C105ZFN	C 1UF, 16V	3	
C9046	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9047	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9048	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9049	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9050	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9051	TCUY1C105ZFN	C 1UF, 16V	1	
C9200	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9201	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9202	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9203	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9204,0 5	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9206	EEEHB0G221P	C 220PF, J, 4V	1	
C9207- 09	ECJ3XB0J106M	C 10UF, M, 6.3V	3	
C9210- 13	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9215,1 6	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9219	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9220	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9222	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9226	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9227	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9228	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9229,3 0	ECJ3XB0J106M	C 10UF, M, 6.3V	2	TH-50PHD7BK/BS/E/K/ES/UY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9231, 3 2	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	TH-50PHD7BK/BS/EK/ES/UY
C9233, 3 4	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	TH-50PHD7BK/BS/EK/ES/UY
C9235	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9236	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9237, 3 8	ECJ3XB0J106M	C 10UF, M, 6.3V	2	TH-50PHD7BK/BS/EK/ES/UY
C9239, 4 0	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	TH-50PHD7BK/BS/EK/ES/UY
C9241	ECJ2XB1H103K	C 0.01UF, K, 50V	1	TH-50PHD7BK/BS/EK/ES/UY
C9242	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C9243, 4 4	ECJ2XB1H103K	C 0.01UF, K, 50V	2	TH-50PHD7BK/BS/EK/ES/UY
C9245	ECJ1XB1H102K	C 1000UF, Z, 50V	1	TH-50PHD7BK/BS/EK/ES/UY
C9246- 48	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	TH-50PHD7BK/BS/EK/ES/UY
C9249	ECJ1VB1C823K	C 0.082UF, K, 16V	1	TH-50PHD7BK/BS/EK/ES/UY
C9250	ECJ1VB1H822K	C 8200PF, K, 50V	1	TH-50PHD7BK/BS/EK/ES/UY
C9253- 55	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	TH-50PHD7BK/BS/EK/ES/UY
C9256	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9257- 59	EEEHB1C470P	C 47PF, J, 16V	3	
C9260- 62	ECJ3XF1C475Z	C 4.7UF, Z, 16V	3	
C9263	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9264, 6 5	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9266	F2H1E221A007	E 2.2UF, 25V	1	
C9267	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9268	ECGRL0G680R	C 68PF, J, 4V	1	
C9269	F2H1E221A007	E 2.2UF, 25V	1	
C9270	ECGRL0G680R	C 68PF, J, 4V	1	
C9271, 7 2	EEEHB0G221P	C 220PF, J, 4V	2	
C9275	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C9276	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9278	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9279	F2H1E221A007	E 2.2UF, 25V	1	
C9282, 8 3	F2H1E221A007	E 2.2UF, 25V	2	
C9284, 8 5	ECJ2XB1H472K	C 4700PF, K, 50V	2	
C9286	EEEHB1C470P	C 47PF, J, 16V	1	
C9287	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9288	EEEHB1C470P	C 47PF, J, 16V	1	
C9290	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9292	EEEHB0G221P	C 220PF, J, 4V	1	
C9293	ECGRL0G680R	C 68PF, J, 4V	1	
C9294, 9 5	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9296	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9299	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9308- 44	ECJ1XF1C104Z	C 0.1UF, Z, 16V	37	
C9346- 62	ECJ1XB1C104K	C 0.1UF, Z, 16V	17	
C9363- 65	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9366- 68	EEEHB1C470P	C 47PF, J, 16V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9370, 7 1	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9373	ECGRL0G680R	C 68PF, J, 4V	1	
C9374	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9375	EEEHB0G221P	C 220PF, J, 4V	1	
C9376	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9500, 0 1	ECJ1XC1H180J	C 18PF, J, 50V	2	
C9503- 49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	47	
C9551	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9552	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9553	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9554	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9555	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9556	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9557- 59	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C9560	EEEHB0G221P	C 220PF, J, 4V	1	
C9561- 72	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C9573	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9574	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9575	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9576- 78	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C9579	EEEHB0G221P	C 220PF, J, 4V	1	
C9700	ECJ2XB1H682K	C 6800PF, K, 50V	1	
C9701	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9703	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9707	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9708	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9709	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9712	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9714	ECJ2XB1H682K	C 6800PF, K, 50V	1	
C9717, 1 8	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9722	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9724- 26	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9728	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9731- 36	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9737- 39	ECJ2XB1H682K	C 6800PF, K, 50V	3	
C9801- 03	ECJ3XB0J106M	C 10UF, M, 6.3V	3	
C9850, 5 1	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9852	EEEHB1C470P	C 47PF, J, 16V	1	
C9853	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9860	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9861	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9862	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9863	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9864, 6 5	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9866	EEEHB0G221P	C 220PF, J, 4V	1	
C9867- 69	ECJ3XB0J106M	C 10UF, M, 6.3V	3	
C9870- 73	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9875, 7 6	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9879	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9880	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9882	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9886	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9894	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9895	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9905, 0 6	ECJ3XB0J106M	C 10UF, M, 6.3V	2	
C9907, 0 8	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9909, 1 0	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9911, 1 2	ECJ3XB0J106M	C 10UF, M, 6.3V	2	
C9913, 1 4	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9915	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C9916	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9917, 1 8	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C9919	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9920, 2 1	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9922	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9923, 2 4	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9925	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C9926	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9929- 31	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
CA1-11	K1MN68B00002	68P CONNECTOR	11	
CB1-11	K1MN68BA0002	68P CONNECTOR	11	
CF901, 0 2	ERZV10V621P2	VARISTOR	2	▲
D1	K1KA20AA0009	20P CONNECTOR	1	
D3	K1KA30AA0009	30P CONNECTOR	1	
D4	K1KA14A00248	14P CONNECTOR	1	
D5	K1KA31A00003	31P CONNECTOR	1	
D20	K1KA20A00272	20P CONNECTOR	1	
D25	K1KA08A00293	8P CONNECTOR	1	TH- 50PHD7BK/BS/E K/ES/UY
D25	K1KA08AA0005	8P CONNECTOR	1	TH- 50PHW7BX/EX
D27	K1KA09A00077	9P CONNECTOR	1	
D31-34	K1MN80B00002	CONNECTOR	4	
D802, 03	M1FS4	DIODE	2	
D804	B0JCPD000010	DIODE	1	
D806, 07	B0BC6R8A0010	DIODE	2	
D808	M1FS4	DIODE	1	
D810-13	MA152K	DIODE	4	
D910	D4SB80Z	DIODE	1	▲
D911	B0EAKT000017	DIODE	1	
D912-14	B0HCM000001	DIODE	3	
D915, 16	TMPG10G3	DIODE	2	
D918	TMPG10G3	DIODE	1	
D930	B0HARM000020	DIODE	1	
D931	LNJ301MPUJA	LED	1	
D932	MA152K	DIODE	1	
D933	M1FS4	DIODE	1	
D1550	LNJ107W5PRW	LED	1	
D1551- 54	MA8056-M	DIODE	4	
D2301, 0 2	M1FS4	DIODE	2	
D2308	MA152	DIODE	1	
D2317	M1FS4	DIODE	1	
D3001	MA111	DIODE	1	
D3001 02	MA729	DIODE	1	HB
D3002	MA3100M	ZENER DIODE	1	
D3003, 0 4	MA111	DIODE	2	
D3005	LNJ206R5ARA	LED	1	
D3007, 0 8	MA111	DIODE	2	
D3021	MA111	DIODE	1	TH- 50PHD7BK/BS/E K/ES/UY
D3024	MA111	DIODE	1	
D3061	MA728	DIODE	1	
D3501- 04	MA3056M	ZENER DIODE	4	
D3507- 10	MA8160H	ZENER DIODE	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6001	B0HBSN000008	DIODE	1	
D6009	B0HBSN000008	DIODE	1	
D6010	D1FL40F4063	DIODE	1	
D6011, 1 2	B0HBSN000008	DIODE	2	
D6013	D1FL40F4063	DIODE	1	
D6014- 16	B0HBSN000008	DIODE	3	
D6023- 25	M1FS4	DIODE	3	
D6028, 2 9	B0HBSN000008	DIODE	2	
D6034- 39	M1FS4	DIODE	6	
D6040	D1FL40F4063	DIODE	1	
D6049, 5 0	M1FS4	DIODE	2	
D6051- 53	D1FL40F4063	DIODE	3	
D6056	M1FS4	DIODE	1	
D6058, 5 9	MA8330M	ZENER DIODE	2	
D6060	LNJ301MPUJA	LED	1	
D6061	MA8051L	ZENER DIODE	1	
D6062, 6 3	MA111	DIODE	2	
D6064	LNJ301MPUJA	LED	1	
D6066	MA111	DIODE	1	
D6069	D1FL40F4063	DIODE	1	
D6071, 7 2	MA111	DIODE	2	
D6073	D1FL40F4063	DIODE	1	
D6095	D1FL40F4063	DIODE	1	
D6202	D1FL40F4063	DIODE	1	
D6205, 0 6	D1FL40F4063	DIODE	2	
D6207	B0HDSM000004	DIODE	1	
D6211- 13	D1FL40F4063	DIODE	3	
D6214- 17	B0HDSM000004	DIODE	4	
D6218	D1FL40F4063	DIODE	1	
D6220, 2 1	B0HDSM000004	DIODE	2	
D6222, 2 3	MA152	DIODE	2	
D6224	M1FS4	DIODE	1	
D6226, 2 7	M1FS4	DIODE	2	
D6433	MA111	DIODE	1	
D6435	MA111	DIODE	1	
D6436	B0JCKG000001	DIODE	1	
D6451	M1FS4	DIODE	1	
D6453- 55	MA111	DIODE	3	
D6456	D1FL40F4063	DIODE	1	
D6459	MA111	DIODE	1	
D6460, 6 1	B0HCKS000001	DIODE	2	
D6463	MA8056H	ZENER DIODE	1	
D6465, 6 6	MA8330M	ZENER DIODE	2	
D6468	MA111	DIODE	1	
D6470- 73	MA111	DIODE	4	
D6475	MA111	DIODE	1	
D6476	D1FL40F4063	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000001	DIODE	1	
D6479	MA111	DIODE	1	
D6481, 8 2	MA8200M	ZENER DIODE	2	
D6483- 90	MA8056H	ZENER DIODE	8	
D6491, 9 2	D1FL40F4063	DIODE	2	
D6493	MA111	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6495	B0HCKS000001	DIODE	1	
D6497-99	M1FS4	DIODE	3	
D6501	MA111	DIODE	1	
D6506	MA111	DIODE	1	
D6509	MA111	DIODE	1	
D6510	M1FS4	DIODE	1	
D6511	M1FL20UF4063	DIODE	1	
D6512-14	MA111	DIODE	3	
D6515,1	MA8240M6	ZENER DIODE	2	
D6520	MA111	DIODE	1	
D6521	D1FL40F4063	DIODE	1	
D6522	MA111	DIODE	1	
D6523	D1FL40F4063	DIODE	1	
D6524	MA8051L	ZENER DIODE	1	
D6525	MA111	DIODE	1	
D6526	M1FL20UF4063	DIODE	1	
D6528	D1FL40F4063	DIODE	1	
D6541	B0HCKS000001	DIODE	1	
D6542	MA111	DIODE	1	
D6543	B0HCKS000001	DIODE	1	
D6544	MA111	DIODE	1	
D6545	MA8051L	ZENER DIODE	1	
D6546-48	MA8330M	ZENER DIODE	3	
D6549,50	MA111	DIODE	2	
D6551	B0HCKS000001	DIODE	1	
D6552	M1FS4	DIODE	1	
D6553	MA111	DIODE	1	
D6570	M1FL20UF4063	DIODE	1	
D6572	D1FL40F4063	DIODE	1	
D6582	MA8051L	ZENER DIODE	1	
D6583	LNJ301MPUJA	LED	1	
D6584	MA111	DIODE	1	
D6585,86	MA8330M	ZENER DIODE	2	
D6600	D1FL40F4063	DIODE	1	
D6605-10	M1FS4	DIODE	6	
D6613	D1FL40F4063	DIODE	1	
D6615-18	B0HBSN000008	DIODE	4	
D6619	M1FS4	DIODE	1	
D6623,24	B0HBSN000008	DIODE	2	
D6625,26	M1FS4	DIODE	2	
D6627	B0HBSN000008	DIODE	1	
D6648,49	D1FL40F4063	DIODE	2	
D6650	B0HBSN000008	DIODE	1	
D6651	D1FL40F4063	DIODE	1	
D6661	D1FL40F4063	DIODE	1	
D6674	B0HBSN000008	DIODE	1	
D6802	D1FL40F4063	DIODE	1	
D6805,06	D1FL40F4063	DIODE	2	
D6807	B0HDSM000004	DIODE	1	
D6811-13	D1FL40F4063	DIODE	3	
D6814-17	B0HDSM000004	DIODE	4	
D6818	D1FL40F4063	DIODE	1	
D6820,21	B0HDSM000004	DIODE	2	
D6822,23	MA152	DIODE	2	
D6824	M1FS4	DIODE	1	
D6826,27	M1FS4	DIODE	2	
D6829	M1FS4	DIODE	1	
D6901,02	MA8056H	ZENER DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6908,09	D1FL40F4063	DIODE	2	
D6911,12	MA8056H	ZENER DIODE	2	
D6918,19	D1FL40F4063	DIODE	2	
D7101-08	M1FL20UF4063	DIODE	8	
D7201-06	M1FL20UF4063	DIODE	6	
D7301-08	M1FL20UF4063	DIODE	8	
D7405-12	M1FL20UF4063	DIODE	8	
D7501-06	M1FL20UF4063	DIODE	6	
D7601-08	M1FL20UF4063	DIODE	8	
D8001	MA111	DIODE	1	
D8002	MA111	DIODE	1	TH-50PHD7BK/BS/EK/ES/UY
D8003	MA111	DIODE	1	
D8004	MA111	DIODE	1	TH-50PHD7BK/BS/EK/ES/UY
D8010,11	MA153	DIODE	2	
D8180	MA111	DIODE	1	
D8200	MA3150M	ZENER DIODE	1	
D8201	MA111	DIODE	1	
D8203	MA3100M	ZENER DIODE	1	
D8204	MA111	DIODE	1	
D9010	MA728	DIODE	1	
D9011-14	MA152	DIODE	4	
D9016	MA728	DIODE	1	
D9017-19	MA3033	ZENER DIODE	3	
D9021	MA3033	ZENER DIODE	1	
D9023-26	MA152K	DIODE	4	
D9200	MA3033	ZENER DIODE	1	
D9201-03	B0JCPD000010	DIODE	3	
D9251	MA728	DIODE	1	
D9300-03	MA152K	DIODE	4	
D9860	MA3033	ZENER DIODE	1	
F900-1,-2	EYF-52BC	FUSE HOLDER	2	
F901-1,-2	EYF-52BC	FUSE HOLDER	2	
F902-1,-2	EYF-52BC	FUSE HOLDER	2	
FL3000-10	ELKE103FA	NOISE FILTER	11	
FL3507-09	J0HABB000004	LC FILTER	3	
FL3510-17	TLK212T256AL	EMI FILTER	8	
FL7201,02	ELKE103FA	NOISE FILTER	2	
FL7501-03	ELKE103FA	NOISE FILTER	3	
FL9000,01	ELKE103FA	NOISE FILTER	2	
FL9200-14	ELKE103FA	NOISE FILTER	15	
FL9301,02	ELKE103FA	NOISE FILTER	2	
FL9500-03	ELKE103FA	NOISE FILTER	4	
FL9850	J0MAB0000175	LC FILTER	1	TH-50PHD7BK/BS/EK/ES/UY
FL9851	J0MAB0000175	LC FILTER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
FL9860-62	ELKE103FA	NOISE FILTER	3	
H0	K1KA08A00293	8P CONNECTOR	1	
H1	K1KA80B00034	80P CONNECTOR	2	
H37	TJS3A9640	3P CONNECTOR	2	
HX1	K1KB22A00036	22P CONNECTOR	1	
IC801	C0DAAHG00008	IC	1	
IC802	C0DAAHG00007	IC	1	
IC803	C0DBALH00002	IC	1	
IC804	C0DAAZG00006	IC	1	
IC910	C5HABZZ00121	IC	1	
IC920	B3PAA0000261	IC	1	△
IC930	AN1431M	LINEAR IC	1	
IC1550	B3L000000020	IC	1	
IC2301, 02	LA4901	IC	2	
IC2304	PQ09SZ1T	IC	1	
IC2401	BH3865S	LINEAR IC	1	
IC3001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC3001 02	TC4W53FEL	IC	1	HB
IC3002 03	C0ABGB00001	IC	1	HB
IC3002	COJBFR00002	IC	1	
IC3002 02	S-24C16ADP	ROM IC (EEPROM 16KBIT)	1	HA
IC3003 02	C0ABGB00001	IC	1	HB
IC3003	CXA1315M	LINEAR IC	1	
IC3004	CXA1875AM	LINEAR IC	1	
IC3005	C1AB00001139	IC	1	
IC3006	CXA1315M	LINEAR IC	1	TH-50PHD7BK/BS/EK/ES/UY
IC3007	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	
IC3101	C1AB00001720	IC	1	
IC3101 02	PQ07VZ012ZP	IC	1	HB
IC3102 02	C0DBZLB00001	IC	1	HB
IC3102	C1AB00001720	IC	1	TH-50PHD7BK/BS/EK/ES/UY
IC3103	C1AB00001826	IC	1	
IC3104	PST9128NR	IC (LOGIC)	1	
IC3105	COJBAZ001834	IC	1	
IC3108	AN78L05M	LINEAR IC	1	TH-50PHD7BK/BS/EK/ES/UY
IC3109	AN78L05M	LINEAR IC	1	
IC3150	C0JBCA00006	IC	1	
IC3201	C3HBKZ00002	IC	1	
IC3251	C0ZBZ0000684	IC	1	
IC3301	MM1065ZMR	LINEAR IC	1	
IC3302	PQ07VZ012ZP	IC	1	
IC3303	AN80L25RMS	IC	1	
IC3304	COJBBZ0000285	IC	1	
IC3305	JLC1562BFEL	IC	1	
IC3502	TVRN322	IC	1	
IC3699	C3EBGC000018	IC	1	
IC6001-04	C0ZBZ0000895	IC	4	
IC6005	C0ZBZ0000735	IC	1	
IC6006	COJBAZ000005	IC	1	
IC6007	NJM2903M	INTEGRATED CIRCUIT	1	
IC6009	AN1431M	LINEAR IC	1	
IC6201	COJBAZ000005	IC	1	
IC6202, 03	C0ZBZ0000895	IC	2	
IC6204	NJM2903M	INTEGRATED CIRCUIT	1	
IC6205	C0ZBZ0000895	IC	1	
IC6431	AN1431M	LINEAR IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6434	TLP181	PHOTO COUPLER	1	
IC6451	AN1431M	LINEAR IC	1	
IC6452, 53	AN78L15M	LINEAR IC	2	
IC6454, 55	AN78L05M	LINEAR IC	2	
IC6456-59	TLP181	PHOTO COUPLER	4	
IC6467	TLP181	PHOTO COUPLER	1	
IC6471, 72	AN1431M	LINEAR IC	2	
IC6480	TLP181	PHOTO COUPLER	1	
IC6491	AN1431M	LINEAR IC	1	
IC6501, 02	TC74HC14AF	IC	2	
IC6503-10	B3PBA0000191	IC	8	
IC6511	C0ZBZ0000735	IC	1	
IC6512	AN78L05M	LINEAR IC	1	
IC6521	C0ZBZ0000735	IC	1	
IC6541, 42	C0ZBZ0000735	IC	2	
IC6543	AN78L05M	LINEAR IC	1	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601-03	C0ZBZ0000895	IC	3	
IC6605, 06	C0JBAZ000005	IC	2	
IC6607	TC74HC08AF	IC	1	
IC6801	C0JBAZ000005	IC	1	
IC6802,	C0ZBZ0000895	IC	2	
IC6804	NJM2903M	INTEGRATED CIRCUIT	1	
IC6805	C0ZBZ0000895	IC	1	
IC6901-06	C0HBC000007	IC	6	
IC6911-16	C0HBC000007	IC	6	
IC7102-06	C0JBAZ001120	IC	5	
IC7201	C0JBAZ001120	IC	1	
IC7203-05	C0JBAZ001120	IC	3	
IC7301-05	C0JBAZ001120	IC	5	
IC7401-05	C0JBAZ001120	IC	5	
IC7502-05	C0JBAZ001120	IC	4	
IC7602-06	C0JBAZ001120	IC	5	
IC8001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC8002	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	TH-50PHD7BK/BS/EK/ES/UY
IC8003	M52346SP	LINEAR IC	1	
IC8004	M52346SP	LINEAR IC	1	TH-50PHD7BK/BS/EK/ES/UY
IC8005	TC74HC14AF	IC	1	
IC8007	TC4W53FEL	IC	1	
IC8008	TC4W53FEL	IC	1	TH-50PHD7BK/BS/EK/ES/UY
IC8009	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	
IC8014	C0ZBZ0000911	IC	1	
IC8016	C0JBAZ001934	IC	1	
IC8100	PQ12SZ1T	IC	1	
IC8101	PQ09SZ1T	IC	1	
IC8181	C1DB00000274	IC	1	
IC9000	C0JBAZ000856	IC	1	
IC9001	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	
IC9002	C0JBAE000239	IC	1	
IC9003	MN102H90MTC	IC	1	
IC9004	TVRN302	IC	1	
IC9005	C0EBE000447	IC	1	
IC9006	TVRN385	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9007	C0JBAE000239	IC	1	
IC9200, 01	C0JBAZ001992	IC	2	
IC9202	C0CBCBD00008	IC	1	
IC9203	C0ZBZ0000850	IC	1	
IC9204	C0JBAB000550	IC	1	
IC9205	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	
IC9206	C0CBCBD00008	IC	1	
IC9207	C0CBCBD00008	IC	1	TH-50PHD7BK/BS/EK/ES/UY
IC9208	C0FBAD000102	IC	1	TH-50PHD7BK/BS/EK/ES/UY
IC9209-11	C0DBAMH00014	IC	3	
IC9213-15	PQ07VZ012ZP	IC	3	
IC9301	C3ABQJ000031	IC	1	
IC9302	MN84512-A	IC	1	
IC9500	C1ZBZ0002577	IC	1	
IC9501	MN845110-A	IC	1	
IC9505	C3ABQJ000031	IC	1	
IC9506	TVRN384	IC	1	
IC9700	C0JBAZ000856	IC	1	
IC9701	C1ZBZ0002625	IC	1	
IC9702	C0JBAZ000856	IC	1	
IC9703	PST9128NR	IC (LOGIC)	1	
IC9705-07	C0JBAZ000856	IC	3	
IC9850	C0JBAZ000855	IC	1	
IC9860, 61	C0JBAZ001992	IC	2	
IC9862	C0CBCBD00008	IC	1	
IC9863	C0ZBZ0000850	IC	1	
IC9864	C0JBAB000550	IC	1	
IC9865	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	
IC9867, 68	C0CBCBD00008	IC	2	
IC9869	C0FBAD000102	IC	1	
J1	K1KA20AA0009	20P CONNECTOR	1	
J3	K1KA30AA0009	30P CONNECTOR	1	
J5	K1KA31B00004	31P CONNECTOR	1	
J6	K1KA21B00005	21P CONNECTOR	1	
J8	K1KA20AA0008	20P CONNECTOR	1	
J10	K1KA06A00183	6P CONNECTOR	1	TH-50PHD7BK/BS/EK/ES/UY
J10	K1KA06AA0005	6P CONNECTOR	1	TH-50PHW7BX/EX
J11-13	K1KB80B00023	80P CONNECTOR	3	
J14	K1KA22A00067	22P CONNECTOR	1	
JK3001	K1CB106B0027	CONNECTOR	1	HB
JK3001	K1QBB3BB0002	CONNECTOR	1	
JK3002	K1QBB2AB0005	CONNECTOR	1	HB
JK3002	K2HA204B0097	JACK	1	
JK3004	K2HA204B0097	JACK	1	
JK3509	K1FB109B0058	CONNECTOR	1	
JK3511	K1FB115B0034	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	TERMINAL	2	
JS2301	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3001-08	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
JS3011-16	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3301-06	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3308-10	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS6000	ERD25V0T	M OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS6001-06	ERJ6GEY0R00	M 0 OHM, 1/10W	6	
JS6050	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS6200	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS6401-06	ERJ6GEY0R00	M 0 OHM, 1/10W	6	
JS6463	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS6600, 01	ERD25V0T	M OHM, 1/10W	2	
JS6803	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS7101-05	ERJ6GEY0R00	M 0 OHM, 1/10W	5	
JS7201-04	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS7301-05	ERJ6GEY0R00	M 0 OHM, 1/10W	5	
JS7401-05	ERJ6GEY0R00	M 0 OHM, 1/10W	5	
JS7406-11	J0JHC0000078	CHIP INDUCTOR	6	
JS7501-04	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS7601-05	ERJ6GEY0R00	M 0 OHM, 1/10W	5	
JS8094-97	J0JCC0000100	CHIP INDUCTOR	4	
L801	G1C101ZA0037	INDUCTION COIL	1	
L802	G1C121ZA0037	INDUCTION COIL	1	
L803	G1C680ZA0037	INDUCTION COIL	1	
L804	G0C101K00023	PEAKING COIL	1	
L805	TALFP15B221K	INDUCTION COIL	1	
L912	EXCELSA24	BEAD CHOKE	1	
L930	G0A100GA0013	CHOKE COIL	1	
L2306	ELJPA100KB	CHIP INDUCTOR	1	
L2330, 1	G0A221ZA0038	CHOKE COIL	2	
L3001	J0HABB000003	LC FILTER	1	HB
L3001	J0HABB000004	LC FILTER	1	
L3002	G1C100K00020	INDUCTION COIL	1	
L3002	J0HABB000004	LC FILTER	1	HA
L3002	J0HABB000004	LC FILTER	1	HB
L3003	G1C100K00020	INDUCTION COIL	1	
L3003	J0HABB000004	LC FILTER	1	HB
L3003	J0HABB000004	LC FILTER	1	HA
L3004	J0HABB000003	LC FILTER	1	
L3005	ERJ3GEY0R00	M 0 OHM, 1/16W	1	HB
L3005	G1C100K00020	INDUCTION COIL	1	
L3005	J0HABB000003	LC FILTER	1	HA
L3006	ELJPA100KB	CHIP INDUCTOR	1	HA
L3006	G1C100K00020	INDUCTION COIL	1	
L3006	J0E8004B0008	LC FILTER	1	HB
L3007	G1C2R2K00006	INDUCTION COIL	1	
L3050	G1C100K00020	INDUCTION COIL	1	
L3051, 2	ELJNA1R5JF	COIL	2	
L3102-	ELJPA100KB	CHIP INDUCTOR	3	
L3201	ELJPA100KB	CHIP INDUCTOR	1	
L3205, 2	ELJPA2R2MF	CHIP INDUCTOR	2	
L3305-	ELKE103FA	NOISE FILTER	4	
L3526	ELJPA100KB	CHIP INDUCTOR	1	
L3555	ELJPA100KB	CHIP INDUCTOR	1	
L6000	G0A1R60MA0003	CHOKE COIL	1	
L6001-	G0A1R4MA0003	CHOKE COIL	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6005-08	G0ZZ00002183	PEAKING COIL	4	
L6013	G0ZZ00002183	PEAKING COIL	1	
L6014	G0C101K00023	PEAKING COIL	1	
L6015-21	G0ZZ00002183	PEAKING COIL	7	
L6024-27	G0ZZ00002183	PEAKING COIL	4	
L6030-37	G0ZZ00002183	PEAKING COIL	8	
L6040-45	J0JJJC0000021	CHIP INDUCTOR	6	
L6051	J0JJJC0000021	CHIP INDUCTOR	1	
L6052-55	G0ZZ00002183	PEAKING COIL	4	
L6056-58	J0JJJC0000021	CHIP INDUCTOR	3	
L6061,62	J0JJJC0000021	CHIP INDUCTOR	2	
L6067	G0AR60MA0003	CHOKE COIL	1	
L6069,70	G0AR60MA0003	CHOKE COIL	2	
L6071-76	J0JJJC0000021	CHIP INDUCTOR	6	
L6081	J0JJJC0000021	CHIP INDUCTOR	1	
L6084-89	J0JJJC0000021	CHIP INDUCTOR	6	
L6200,01	J0JJJC0000021	CHIP INDUCTOR	2	
L6202	G0ZZ00002183	PEAKING COIL	1	
L6203	J0JJJC0000011	CHIP INDUCTOR	1	
L6204,05	G0ZZ00002183	PEAKING COIL	2	
L6206	J0JJJC0000021	CHIP INDUCTOR	1	
L6216-23	J0JJJC0000011	CHIP INDUCTOR	8	
L6224	J0JJJC0000021	CHIP INDUCTOR	1	
L6225	TLPF097	CHOKE COIL	1	
L6227	J0JJJC0000021	CHIP INDUCTOR	1	
L6229	J0JJJC0000021	CHIP INDUCTOR	1	
L6230-33	TLPF097	CHOKE COIL	4	
L6247	G0ZZ00002183	PEAKING COIL	1	
L6431	J0JJJC0000021	CHIP INDUCTOR	1	
L6451	J0JJJC0000021	CHIP INDUCTOR	1	
L6471	J0JJJC0000021	CHIP INDUCTOR	1	
L6472,73	G0ZZ00002183	PEAKING COIL	2	
L6518	G0ZZ00002183	PEAKING COIL	1	
L6602,03	G0ZZ00002183	PEAKING COIL	2	
L6607	J0JJJC0000021	CHIP INDUCTOR	1	
L6610-13	G0AR60MA0003	CHOKE COIL	4	
L6614-17	G0A1R4MA0003	CHOKE COIL	4	
L6618-21	G0ZZ00002183	PEAKING COIL	4	
L6623-25	G0ZZ00002183	PEAKING COIL	3	
L6628,29	G0ZZ00002183	PEAKING COIL	2	
L6636-45	G0ZZ00002183	PEAKING COIL	10	
L6648-51	G0ZZ00002183	PEAKING COIL	4	
L6661,62	J0JJJC0000021	CHIP INDUCTOR	2	
L6670-75	J0JJJC0000021	CHIP INDUCTOR	6	
L6681-86	J0JJJC0000021	CHIP INDUCTOR	6	
L6691-97	J0JJJC0000021	CHIP INDUCTOR	7	
L6802	G0ZZ00002183	PEAKING COIL	1	
L6803	J0JJJC0000011	CHIP INDUCTOR	1	
L6804-06	J0JJJC0000021	CHIP INDUCTOR	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6807,08	G0ZZ00002183	PEAKING COIL	2	
L6816-23	J0JJJC0000011	CHIP INDUCTOR	8	
L6825-28	TLPF097	CHOKE COIL	4	
L6832	G0ZZ00002183	PEAKING COIL	1	
L6833,4	J0JJJC0000021	CHIP INDUCTOR	2	
L6836	J0JJJC0000021	CHIP INDUCTOR	1	
L7101-08	J0JJJC0000011	CHIP INDUCTOR	8	
L7201-06	J0JJJC0000011	CHIP INDUCTOR	6	
L7301-08	J0JJJC0000011	CHIP INDUCTOR	8	
L7401-08	J0JJJC0000011	CHIP INDUCTOR	8	
L7501-06	J0JJJC0000011	CHIP INDUCTOR	6	
L7601-08	J0JJJC0000011	CHIP INDUCTOR	8	
L8001	G1C100K00020	INDUCTION COIL	1	
L8003	G1C100K00020	INDUCTION COIL	1	
L8004	G1C100K00020	INDUCTION COIL	1	TH-50PHD7BK/BS/EK/ES/UY
L8005	G1C100K00020	INDUCTION COIL	1	
L8181	G1C100K00020	INDUCTION COIL	1	
L8501	G0A2R5H0003	CHOKE COIL	1	
L8502	G0A2R5H0003	CHOKE COIL	1	
L8502	G0A2R5H0003	CHOKE COIL	1	HB
L9200,01	G1C150MA0078	INDUCTION COIL	2	
L9202	G1C220M00029	INDUCTOR COIL	1	
LF901	G0B602K00001	CHOKE COIL	1	▲
LF902	G0BYYYL00004	CHOKE COIL	1	▲
LF904	G0B353G00001	CHOKE COIL	1	▲
PF1	K1KA03A00181	3P CONNECTOR	1	
PF9	K1KA03A00181	3P CONNECTOR	1	
PF10	K1KA06A00220	6P CONNECTOR	1	
Q801	2SD601A	TRANSISTOR	1	
Q930	2SC3311A	TRANSISTOR	1	
Q1540	2SD601A	TRANSISTOR	1	
Q2303	2SD601A	TRANSISTOR	1	
Q2305,06	2SD601A	TRANSISTOR	2	
Q2330,31	2SD1266A	TRANSISTOR	2	
Q2333,34	2SD601A	TRANSISTOR	2	
Q2370	2SB709A	TRANSISTOR	1	
Q2406	2SD601A	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	
Q3001,02	2SD601A	TRANSISTOR	1	HB
Q3002	2SD601A	TRANSISTOR	1	
Q3002,02	2SD601A	TRANSISTOR	1	HB
Q3003	2SD601A	TRANSISTOR	1	
Q3004	2SD601A	TRANSISTOR	1	
Q3005	2SD601A	TRANSISTOR	1	
Q3006,07	2SB709A	TRANSISTOR	2	
Q3023	2SD601A	TRANSISTOR	1	
Q3051,52	2SD601A	TRANSISTOR	2	
Q3101,02	2SB709A	TRANSISTOR	1	HB
Q3101	2SD601A	TRANSISTOR	1	
Q3102,02	2SD1030	TRANSISTOR	1	HB
Q3102,03	2SD601A	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q3104 02	2SD1030	TRANSISTOR	1	HB
Q3104-06	2SD601A	TRANSISTOR	3	TH-50PHD7BK/BS/EK/ES/UY
Q3531,3 2	2SD601A	TRANSISTOR	2	
Q6001	2SD2185	TRANSISTOR	1	
Q6002	2SB1073001TV	TRANSISTOR	1	
Q6004	B1DEHM000005	TRANSISTOR	1	
Q6006	B1DEHM000004	TRANSISTOR	1	
Q6008	B1DEHM000004	TRANSISTOR	1	
Q6009-20	B1DEHM000005	TRANSISTOR	12	
Q6021-24	B1DEHM000004	TRANSISTOR	4	
Q6025	2SK620	FET	1	
Q6027,2 8	B1DFHM000002	TRANSISTOR	2	
Q6029,3 0	2SK326800L	FET	2	
Q6032	2SD2185	TRANSISTOR	1	
Q6033	2SB1073001TV	TRANSISTOR	1	
Q6034	2SD2185	TRANSISTOR	1	
Q6035	2SB1073001TV	TRANSISTOR	1	
Q6038,3 9	2SC1473A	TRANSISTOR	2	
Q6041	2SD601A	TRANSISTOR	1	
Q6044	2SD2185	TRANSISTOR	1	
Q6045	2SB1073001TV	TRANSISTOR	1	
Q6211-14	2SK326900L	FET	4	
Q6216	2SK326900L	FET	1	
Q6217	2SD2185	TRANSISTOR	1	
Q6218	2SB1073001TV	TRANSISTOR	1	
Q6222	2SD2185	TRANSISTOR	1	
Q6223	2SB1073001TV	TRANSISTOR	1	
Q6224	2SK326900L	FET	1	
Q6431	B1BBCJ000003	TRANSISTOR	1	
Q6432	2SB0709A	TRANSISTOR	1	
Q6435	2SD601A	TRANSISTOR	1	
Q6451	B1BBCJ000003	TRANSISTOR	1	
Q6452	2SB0709A	TRANSISTOR	1	
Q6454	2SD814A	TRANSISTOR	1	
Q6471	B1BBCJ000003	TRANSISTOR	1	
Q6472	2SB0709A	TRANSISTOR	1	
Q6474	2SD814A	TRANSISTOR	1	
Q6476,7 7	2SD601A	TRANSISTOR	2	
Q6491	2SD1263A	TRANSISTOR	1	
Q6492	2SC1473A	TRANSISTOR	1	
Q6511,1 2	B1DFGL000005	TRANSISTOR	2	
Q6513	2SK620	FET	1	
Q6519	2SK620	FET	1	
Q6520	2SD601A	TRANSISTOR	1	
Q6521	B1DEDS000001	TRANSISTOR	1	
Q6522	2SK620	FET	1	
Q6523	2SB1073001TV	TRANSISTOR	1	
Q6524,2 5	2SD2185	TRANSISTOR	2	
Q6526	2SB1073001TV	TRANSISTOR	1	
Q6530-38	B1DFJM000003	TRANSISTOR	9	
Q6540-46	B1DFKM000001	TRANSISTOR	7	
Q6551	2SD601A	TRANSISTOR	1	
Q6552	B1DEET000001	TRANSISTOR	1	
Q6557,5 8	2SK620	FET	2	
Q6561	2SB1073001TV	TRANSISTOR	1	
Q6562-64	B1DEDS000001	TRANSISTOR	3	
Q6581	2SD601A	TRANSISTOR	1	
Q6601-10	B1DEHM000005	TRANSISTOR	10	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6611	2SD2185	TRANSISTOR	1	
Q6612	2SB1073001TV	TRANSISTOR	1	
Q6613	2SD2185	TRANSISTOR	1	
Q6614	2SB1073001TV	TRANSISTOR	1	
Q6615	B1DEHM000005	TRANSISTOR	1	
Q6616,1 7	2SK620	FET	2	
Q6621,2 2	B1DEHM000004	TRANSISTOR	2	
Q6624,2 5	B1DEHM000004	TRANSISTOR	2	
Q6627	2SD2185	TRANSISTOR	1	
Q6628	2SB1073001TV	TRANSISTOR	1	
Q6629	2SD2185	TRANSISTOR	1	
Q6630	2SB1073001TV	TRANSISTOR	1	
Q6635	B1DEHM000004	TRANSISTOR	1	
Q6645,4 6	B1DEHM000005	TRANSISTOR	2	
Q6649	B1DEHM000004	TRANSISTOR	1	
Q6731	2SD1263A	TRANSISTOR	1	
Q6811-14	2SK326900L	FET	4	
Q6816	2SK326900L	FET	1	
Q6817	2SD2185	TRANSISTOR	1	
Q6818	2SB1073001TV	TRANSISTOR	1	
Q6821	2SB1193000LB	TRANSISTOR	1	
Q6822	2SD2185	TRANSISTOR	1	
Q6823	2SB1073001TV	TRANSISTOR	1	
Q6824	2SK326900L	FET	1	
Q6921	2SB1193000LB	TRANSISTOR	1	
Q8001	2SD601A	TRANSISTOR	1	TH-50PHD7BK/BS/EK/ES/UY
Q8002	2SD601A	TRANSISTOR	1	
Q8010	2SD601A	TRANSISTOR	1	
Q8011	2SB709A	TRANSISTOR	1	
Q8012	2SD601A	TRANSISTOR	1	
Q8013	2SB709A	TRANSISTOR	1	
Q8018	2SD601A	TRANSISTOR	1	TH-50PHD7BK/BS/EK/ES/UY
Q8019	2SD601A	TRANSISTOR	1	
Q8181,8 2	2SK2731T146	TRANSISTOR	2	
Q8200-02	2SD601A	TRANSISTOR	3	
Q9000-02	2SK2731T146	TRANSISTOR	3	
Q9003-09	2SD601A-R	TRANSISTOR	7	
Q9010	2SB709A-R	TRANSISTOR	1	
Q9011	2SD601A-R	TRANSISTOR	1	
Q9012	2SB709A-R	TRANSISTOR	1	
Q9013	2SD601A-R	TRANSISTOR	1	
Q9014	2SD601A	TRANSISTOR	1	
Q9015	2SD601A-R	TRANSISTOR	1	
Q9016	2SB709A-R	TRANSISTOR	1	
Q9017,1 8	2SD601A-R	TRANSISTOR	2	
Q9019	2SK2731T146	TRANSISTOR	1	
Q9300-07	2SD601A-R	TRANSISTOR	8	
Q9700,0 1	2SD601A-R	TRANSISTOR	2	
R803	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R805	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R806,07	ERJ6ENF15R0	M 15 OHM, 1/10W	2	
R808	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R809	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R810	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R811	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R812	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R813	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R814	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R815	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R816	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R817-20	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	4	
R825	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R831	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R901, 02	ERC12ZGK105	S 1MOHM, K, 1/2W	2	△
R903, 04	ERF7TK3R3	W 3.3 OHM, K, 7W	2	
R912, 13	ERG2FJS104D	M 100KOHM, J, 2W	2	
R914	ERG2FJS100D	M 10 OHM, J, 2W	1	
R915	ERG1FJS104D	M 100KOHM, J, 1W	1	
R918	ERX12SJR82	M0.82 OHM, J, 1/2W	1	
R919	ERX12SJ1R0	M 0.1 OHM, J, 1/2W	1	
R920	ERDS1FJ331	C 330 OHM, J, 1/2W	1	
R921	ERDS1FJ150	C 15 OHM, J, 1/2W	1	
R922	ERDS1FJ102	C 1KOHM, J, 1/2W	1	
R923	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R924	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R925	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R927	ERJ6GEYJ683	M 68KOHM, J, 1/10W	1	
R930	ERJ6GEYJ681	M 680 OHM, J, 1/10W	1	
R931	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R932	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R933	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R934	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R935	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R936	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	1	
R937	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R938	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R939-42	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	4	
R1500	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R1510	ERJ3GEYF222	M 2.2KOHM, 1/16W	1	
R1511	ERJ3GEYF302	M 3.0KOHM, 1/16W	1	
R1512	ERJ3GEYF472	M 4.7KOHM, 1/16W	1	
R1513	ERJ3GEYF822	M 8.2KOHM, J, 1/16W	1	
R1550	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R1551	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R1553	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R1554	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R1555, 56	TAJAAH0470JV	M 47 OHM, J, 1/16W	2	
R2301	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2304	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R2305, 06	ERJ6GEYJ223	M 22KOHM, J, 1/10W	2	
R2309	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2310	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R2332	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R2333	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R2346	ERJ6GEYJ123	M 12KOHM, J, 1/10W	1	
R2347	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R2348	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R2350	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2351-54	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J, 1/2W	6	
R2365, 66	ERX1FJSR56D	M0.56 OHM, J, 1W	2	
R2367	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R2368, 69	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R2370	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R2371, 72	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R2373	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R2431	ERJ6GEYJ123	M 12KOHM, J, 1/10W	1	
R2434	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2439	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R2440	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2441	ERJ6GEYJ123	M 12KOHM, J, 1/10W	1	
R2445	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2448	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R2450	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R2452	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2453	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R2456	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R2460	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R2461, 62	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R2463	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R2466	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R2467	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R2468	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2469	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R2470	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2471	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R2472	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2473	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R2476, 7	ERJ6GEYJ220	M 22 OHM, J, 1/10W	2	
R2485-91	ERJ6GEY0R00	M 0 OHM, 1/10W	7	
R2494, 95	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3001	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3001	ERJ6ENF75R0	M 75 OHM, 1/10W	1	HB
R3002	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3002	ERJ6ENF75R0	M 75 OHM, 1/10W	1	HB
R3003	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3003	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3004	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3004	ERJ6ENF75R0	M 75 OHM, 1/10W	1	HB
R3004	ERJ6GEYJ184	M 180KOHM, J, 1/10W	1	HA
R3005	ERJ6ENF75R0	M 75 OHM, 1/10W	1	HB
R3005	ERJ6GEYJ184	M 180KOHM, J, 1/10W	1	HA
R3005	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R3006	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3006	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	HA
R3006	ERJ6ENF75R0	M 75 OHM, 1/10W	1	HB
R3007	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3007	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	HB
R3007	ERJ3GEYJ102	M 100 OHM, J, 1/16W	1	HA
R3008	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3008	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3009	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3009	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	HB
R3010	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3010	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	HB
R3011	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3011	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	
R3012	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3012	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3013	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	
R3013	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	HB
R3014	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HA
R3014	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3014	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3015	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HA
R3015	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	HB
R3015	J0JCC0000100	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3016 02	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3016	J0JCC0000100	CHIP INDUCTOR	1	
R3016 03	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3017 02	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HA
R3017	J0JCC0000100	CHIP INDUCTOR	1	
R3017 03	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3018	J0JCC0000100	CHIP INDUCTOR	1	
R3018 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HA
R3018 03	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3019 03	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HB
R3019	J0JCC0000100	CHIP INDUCTOR	1	
R3019 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HA
R3020 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HA
R3020	J0JCC0000100	CHIP INDUCTOR	1	
R3021 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HA
R3021	J0JCC0000100	CHIP INDUCTOR	1	
R3022 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HA
R3022	J0JCC0000100	CHIP INDUCTOR	1	
R3022 03	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3023	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3023 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HA
R3023 03	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	HB
R3024	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3024 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3025	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3025 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HA
R3025 03	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3026	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3026 03	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3026 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HA
R3027 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HB
R3027, 2 8	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R3028 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3029 02	ERJ3EKF2200	M 220 OHM, 1/16W	1	HB
R3029	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3030 02	ERJ3EKF3900	M 390 OHM, 1/16W	1	HB
R3030	J0JCC0000100	CHIP INDUCTOR	1	
R3031 02	ERJ3EKF4700	M 470 OHM, 1/16W	1	HB
R3031	J0JCC0000100	CHIP INDUCTOR	1	
R3032 02	ERJ3EKF1200	M 120 OHM, 1/16W	1	HB
R3032, 3 3	J0JCC0000100	CHIP INDUCTOR	2	
R3033 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3034	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R3035 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HB
R3035	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R3036 02	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HA
R3036	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R3036 03	ERJ6ENF1800	M 180 OHM, 1/10W	1	HB

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3037 03	ERJ3EKF2200	M 220 OHM, 1/16W	1	HB
R3037 02	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HA
R3037	J0JCC0000100	CHIP INDUCTOR	1	
R3038 02	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	HB
R3038	J0JCC0000100	CHIP INDUCTOR	1	
R3039	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R3040 02	ERJ3EKF3300	M 330 OHM, 1/16W	1	HB
R3040	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R3041 03	ERJ3EKF1800	M 180 OHM, 1/16W	1	HB
R3041	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R3041 02	ERJ6GEYR00	M 0 OHM, 1/10W	1	HA
R3042 03	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	HB
R3042 02	ERJ6GEYR00	M 0 OHM, 1/10W	1	HA
R3042	J0JCC0000100	CHIP INDUCTOR	1	
R3043 02	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	HB
R3043	J0JCC0000100	CHIP INDUCTOR	1	
R3044	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3045	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3046	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3046 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3047 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HB
R3047	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3048	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3048 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3049 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HB
R3049	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3050	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R3050 02	ERJ6ENF75R0	M 75 OHM, 1/10W	1	HB
R3051 02	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	HB
R3051	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3052 02	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	HB
R3052	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3053 02	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	HB
R3053	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R3054 02	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	HB
R3054	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R3055 02	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	HB
R3055	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3056 02	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	HB
R3056	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3057	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R3057 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3058	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R3058 02	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	HB
R3059	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3060	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3060 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HB
R3061 02	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	HB
R3061	J0JCC0000100	CHIP INDUCTOR	1	
R3062 02	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	HB
R3062	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R3063 03	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3064	ERJ6GEYJ560	M 56 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3065 02	ERJ6GEY0R00	M 0 OHM, 1/10W	1	HB
R3065- 69	ERJ6GEYJ560	M 56 OHM, J, 1/10W	5	
R3070- 75	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3076- 81	ERJ6GEYJ560	M 56 OHM, J, 1/10W	6	
R3082	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3083- 85	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	TH- 50PHD7BK/BS/E K/ES/UY
R3086, 8 7	J0JCC0000100	CHIP INDUCTOR	2	TH- 50PHD7BK/BS/E K/ES/UY
R3088- 93	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3094- 96	ERJ3GEYJ331	M 330 OHM, J, 1/16W	3	TH- 50PHD7BK/BS/E K/ES/UY
R3097, 9 8	J0JCC0000100	CHIP INDUCTOR	2	TH- 50PHD7BK/BS/E K/ES/UY
R3099, 0 0	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	TH- 50PHD7BK/BS/E K/ES/UY
R3101 02	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	HB
R3101	ERJ6ENF1800	M 180 OHM, 1/10W	1	
R3102 02	ERJ3GEY0R00	M 0 OHM, 1/16W	1	HB
R3102, 0 3	ERJ6ENF1800	M 180 OHM, 1/10W	2	
R3104 02	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	HB
R3104, 0 5	ERJ6ENF1800	M 180 OHM, 1/10W	2	
R3106 02	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3106	ERJ6ENF1800	M 180 OHM, 1/10W	1	
R3107	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	TH- 50PHD7BK/BS/E K/ES/UY
R3107 02	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	HB
R3108 02	ERJ3GEY0R00	M 0 OHM, 1/16W	1	HB
R3108	J0JCC0000100	CHIP INDUCTOR	1	TH- 50PHD7BK/BS/E K/ES/UY
R3109	ERJ6ENF8200	M 820 OHM, 1/10W	1	TH- 50PHD7BK/BS/E K/ES/UY
R3110	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3111	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3112 02	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	HB
R3112	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	TH- 50PHD7BK/BS/E K/ES/UY
R3113 02	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	HB
R3113	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	TH- 50PHD7BK/BS/E K/ES/UY
R3114	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3115	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3116	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3116 02	ERJ6GEY0R00	M 0 OHM, 1/10W	1	HB
R3117 02	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	HB
R3117	J0JCC0000100	CHIP INDUCTOR	1	
R3118 02	ERJ3GEY0R00	M 0 OHM, 1/16W	1	HB
R3118	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R3119	ERJ3GEYJ121	M 120 OHM, J, 1/16W	1	
R3120	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3121	ERJ3GEYJ121	M 120 OHM, J, 1/16W	1	
R3122	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3123	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R3124	ERJ3EKF10R0	M 10 OHM, 1/16W	1	
R3125	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3126	J0JCC0000100	CHIP INDUCTOR	1	
R3127 02	ERJ6ENF12R0	M 12 OHM, 1/10W	1	HB
R3127	J0JCC0000100	CHIP INDUCTOR	1	TH- 50PHD7BK/BS/E K/ES/UY
R3128, 2 9	ERJ3GEYJ181	M 180 OHM, J, 1/16W	2	
R3129 02	ERJ6ENF12R0	M 12 OHM, 1/10W	1	HB
R3130	ERJ3GEYJ181	M 180 OHM, J, 1/16W	1	
R3131	ERJ3GEYJ181	M 180 OHM, J, 1/16W	1	TH- 50PHD7BK/BS/E K/ES/UY
R3131 02	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	HB
R3132, 3 3	ERJ3GEYJ181	M 180 OHM, J, 1/16W	2	TH- 50PHD7BK/BS/E K/ES/UY
R3135	ERJ6ENF10R0	M 10 OHM, 1/10W	1	
R3136- 39	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3140 02	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	HB
R3140	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3141 02	ERJ3GEY0R00	M 0 OHM, 1/16W	1	HB
R3141	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3142, 4 3	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3144, 4 5	ERJ3GEYJ102	M 1KOHM, J, 1/16W	2	
R3148, 4 9	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3150, 5 1	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3151 02	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	HB
R3152	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	
R3153	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R3154, 5 5	ERJ3GEYJ331	M 330 OHM, J, 1/16W	2	
R3156	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	
R3157	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R3158	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	1	
R3159	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3160 02	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	HB
R3160	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R3161 02	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	HB
R3161	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R3162 02	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	HB
R3162	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	TH- 50PHD7BK/BS/E K/ES/UY
R3163 02	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	HB
R3163	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3164- 67	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3168	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R3169- 72	ERJ6ENF75R0	M 75 OHM, 1/10W	4	
R3173	ERJ3EKF2200	M 220 OHM, 1/16W	1	
R3174	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3177	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3178	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3179	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3180	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3181	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3182	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3183	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3184	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3185	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3188	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3189_02	ERJ3GEY0R00	M 0 OHM, 1/16W	1	HB
R3189_90	ERJ6ENF75R0	M 75 OHM, 1/10W	2	
R3191_92	ERJ14YJ330	M 33 OHM, J, 1/4W	2	TH-50PHD7BK/BS/EK/ES/UY
R3192_02	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3193	ERJ14YJ330	M 33 OHM, J, 1/4W	1	
R3193_02	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	HB
R3194	ERJ14YJ330	M 33 OHM, J, 1/4W	1	
R3195_02	ERJ3GEY0R00	M 0 OHM, 1/16W	1	HB
R3195_96	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R3197_98	ERJ3GEYJ123	M 12KOHM, J, 1/16W	2	
R3199_04	ERJ6ENF1800	M 180 OHM, 1/10W	6	TH-50PHD7BK/BS/EK/ES/UY
R3210_11	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3212_15	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	4	
R3216_19	ERJ6GEYJ3R3	M 3.3KOHM, J, 1/10W	4	
R3230_31	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3251	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R3252	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3253	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R3254_55	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3260_62	ERJ6ENF75R0	M 75 OHM, 1/10W	3	TH-50PHD7BK/BS/EK/ES/UY
R3300_01	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R3302	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R3303_04	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3305	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3307	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3308_09	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R3313	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3314_15	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R3319	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3337_38	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3400	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R3508_09	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R3510_11	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3529_30	ERJ6GEYJ184	M 180KOHM, J, 1/10W	2	
R3547_48	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3585_6	ERJ6GEYJ560	M 56 OHM, J, 1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM, J, 1/10W	1	
R3591_93	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R3653	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R3663_64	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3776_7	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3778	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R3790_91	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6000	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6001_03	ERX3FJSR22D	M 2.2 OHM, J, 3W	3	
R6004	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6005_06	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6007_09	ERJ6GEYJ103	M 10KOHM, J, 1/10W	3	
R6010	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6011_18	ERJ6GEYJ100	M 10 OHM, J, 1/10W	8	
R6019_24	ERJ6GEYJ470	M 47 OHM, J, 1/10W	6	
R6025	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6026	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6027	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6028	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6029_30	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6031_38	ERJ6GEYJ100	M 10 OHM, J, 1/10W	8	
R6039_40	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6041_42	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6043_44	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6045_46	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6047	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6049	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6051_52	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6053	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6054_55	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6056	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6057	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6058	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6059	ERG3FJS221D	M 220 OHM, J, 3W	1	
R6060	ERG1FJS472D	M 4.7KOHM, J, 1W	1	
R6061	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6062	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6063	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6064	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6065_66	ERJ6GEYJ333	M 33KOHM, J, 1/10W	2	
R6067	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6069	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6070	ERJ6GEYJ151	M 150 OHM, J, 1/10W	1	
R6072	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6075	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6076	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6077_78	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6079	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6080_81	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	2	
R6082	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6083	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6084	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6085	EXB38V471J	RESISTOR ARRAY	1	
R6086	EXB38V473J	RESISTOR ARRAY	1	
R6087	EXB38V471J	RESISTOR ARRAY	1	
R6088	EXB38V473J	RESISTOR ARRAY	1	
R6089_90	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6091_92	ERJ6GEYJ470	M 47 OHM, J, 1/10W	2	
R6093_94	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6111-13	ERJ6ENF6802	M 68KOHM, 1/10W	3	
R6118	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R6131-36	ERJ6GEYJ151	M 150 OHM, J, 1/10W	6	
R6137, 38	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6139, 40	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R6150	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6157	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R6161-64	ERJ6GEYJ100	M 10 OHM, J, 1/10W	4	
R6165	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6192	ERG3FJS221D	M 220 OHM, J, 3W	1	
R6193, 94	ERJ12YJ220	M 22 OHM, J, 1/2W	2	
R6202	EXB38V471J	RESISTOR ARRAY	1	
R6203	EXB38V473J	RESISTOR ARRAY	1	
R6205	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6211, 12	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6213	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6214	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R6215	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6216	ERJ6GEYJ5R6	M 5.6 OHM, J, 1/10W	1	
R6217	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6218	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6220, 21	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6222, 23	ERJ6GEYJ220	M 22 OHM, J, 1/10W	2	
R6225	ERJ6GEYJ5R6	M 5.6 OHM, J, 1/10W	1	
R6227	ERJ6ENF6982	M69.8KOHM, 1/10W	1	
R6228	ERJ6ENF1182	M11.8KOHM, 1/10W	1	
R6229	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6230	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6231	ERJ6GEYJ474	M 470KOHM, J, 1/10W	1	
R6232, 33	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	2	
R6234	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6235	ERJ6ENF3832	M38.3KOHM, 1/10W	1	
R6236	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6237	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6238	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6240	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6241	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R6242, 43	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	
R6244	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6245, 46	ERF15ZXJ330	W 33 OHM, J, 15W	2	
R6247	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6249	ERJ6GEYJ5R6	M 5.6 OHM, J, 1/10W	1	
R6250-55	ERJ6GEYJ151	M 150 OHM, J, 1/10W	6	
R6433	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6434	ERDS1FJ221	C 220 OHM, J, 1/2W	1	
R6435	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R6436	ERJ6ENF1543	M 154KOHM, 1/10W	1	
R6437	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6438	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R6439, 40	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	2	
R6441, 42	ERJ12YJ1R0	M 1 OHM, J, 1/2W	2	
R6443	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6444	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R6445, 46	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6448	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6449	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6450	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R6453	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6454	ERDS1FJ221	C 220 OHM, J, 1/2W	1	
R6455	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6456	ERJ6ENF4533	M 453KOHM, 1/10W	1	
R6457, 58	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R6459	ERJ14YJ104	M 100KOHM, J, 1/4W	1	
R6460	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6464	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6465	ERX2FJS8R2D	M 8.2 OHM, J, 2W	1	
R6466	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6467	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R6468	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6470	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R6471	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6473	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6474	ERDS1FJ221	C 220 OHM, J, 1/2W	1	
R6475	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R6476	ERJ6GEYJ304	M 300KOHM, J, 1/10W	1	
R6477	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6478	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	1	
R6479	ERJ14YJ104	M 100KOHM, J, 1/4W	1	
R6480	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6482	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6483	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R6484	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6485, 86	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6487	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6488	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6489	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6490	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6491	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6492, 93	ERJ6ENF2203	M 220KOHM, 1/10W	2	
R6494	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6495	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6496	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6497	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6498, 99	ERX1FJS8R2D	M 8.2 OHM, J, 1W	2	
R6500	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R6501-09	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	9	
R6510	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6511, 12	ERX3FJS2R2D	M 2.2 OHM, J, 3W	2	
R6513	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6514	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R6515	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6516	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6517	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R6518	ERJ6GEYJ103	M 10KOHM, F, 1/10W	1	
R6519	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6520	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6521	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6522	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6523	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6524	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6525	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6526	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6527	ERJ14YJ102	M 1KOHM, J, 1/4W	1	
R6528	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6529	ERJ6GEYJ680	M 68 OHM, J, 1/10W	1	
R6530-39	ERJ6GEYJ470	M 47 OHM, J, 1/10W	10	
R6540-49	ERJ6GEYJ100	M 10 OHM, J, 1/10W	10	
R6550	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6551	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6552	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6553	ERJ6GEYJ151	M 150 OHM, J, 1/10W	1	
R6554, 55	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R6556	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	1	
R6557	ERG1FJS471D	M 470 OHM, J, 1W	1	
R6558	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6559	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6560,6 1	ERJ6GEYJ470	M 47 OHM, J, 1/10W	2	
R6562- 64	ERJ6GEYJ5R6	M 5.6 OHM, J, 1/10W	3	
R6565,6	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6567,6 8	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6570	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6571- 78	ERJ6GEYJ471	M 470 OHM, J, 1/10W	8	
R6579	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6580	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6581	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6582,8 3	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6585,8 6	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	2	
R6587	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6588	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6589	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6590,9 1	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	2	
R6592,9 3	ERJ6GEYJ105	M 1MOHM, J, 1/10W	2	
R6594	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6595,9 6	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R6599	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6600	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6601,0 2	ERJ6GEYJ470	M 47 OHM, J, 1/10W	2	
R6603	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6604	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6605- 07	ERJ6GEYJ224	M 220KOHM, J, 1/10W	3	
R6608	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6609	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6610	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6611- 18	ERJ6GEYJ100	M 10 OHM, J, 1/10W	8	
R6619- 24	ERJ6GEYJ470	M 47 OHM, J, 1/10W	6	
R6625	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6626	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6627	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6628	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6629,3 0	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6631- 38	ERJ6GEYJ100	M 10 OHM, J, 1/10W	8	
R6639	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R6641,4 2	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6643,4 4	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R6645,4 6	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6651	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6652,5 3	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6654,5 5	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6656	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6657- 59	ERJ6GEYJ102	M 1KOHM, J, 1/10W	3	
R6660,6 1	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6662	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6663	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6664- 70	ERJ6GEYJ680	M 68 OHM, J, 1/10W	7	
R6684	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6687,8 8	ERX2FJSR22D	M0.22 OHM, J, 2W	2	
R6689,9 0	ERJ12YJ220	M 22 OHM, J, 1/2W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6691	EXB38V471J	RESISTOR ARRAY	1	
R6692	EXB38V473J	RESISTOR ARRAY	1	
R6693	EXB38V471J	RESISTOR ARRAY	1	
R6694	EXB38V473J	RESISTOR ARRAY	1	
R6695	EXB38V471J	RESISTOR ARRAY	1	
R6696	EXB38V473J	RESISTOR ARRAY	1	
R6697	EXB38V471J	RESISTOR ARRAY	1	
R6698	EXB38V473J	RESISTOR ARRAY	1	
R6699	ERG1FJS101D	M 100 OHM, J, 1W	1	
R6700	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6708	ERJ6GEYJ680	M 68 OHM, J, 1/10W	1	
R6720- 25	ERJ6GEYJ151	M 150 OHM, J, 1/10W	6	
R6726- 28	ERJ6ENF6802	M 68KOHM, 1/10W	3	
R6801- 03	ERJ6GEYJ101	M 100 OHM, J, 1/10W	3	
R6804	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6805	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6809	EXB38V471J	RESISTOR ARRAY	1	
R6810	EXB38V473J	RESISTOR ARRAY	1	
R6811,1 2	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6813	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6814	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R6816	ERJ6GEYJ5R6	M 5.6 OHM, J, 1/10W	1	
R6817	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6820,2 1	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6822,2 3	ERJ6GEYJ220	M 22 OHM, J, 1/10W	2	
R6825	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R6826	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6827	ERJ6ENF6982	M69.8KOHM, 1/10W	1	
R6828	ERJ6ENF1182	M11.8KOHM, 1/10W	1	
R6829	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6830	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6831	ERJ6GEYJ474	M 470KOHM, J, 1/10W	1	
R6832,3 3	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	2	
R6834	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6835	ERJ6ENF3832	M38.3KOHM, 1/10W	1	
R6836	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6837	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6838	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6840	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6841	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R6842,4 3	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	
R6844	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6845,4 6	ERF15ZXJ330	W 33 OHM, J, 15W	2	
R6847	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6849	ERJ6GEYJ5R6	M 5.6 OHM, J, 1/10W	1	
R6854,5 5	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6860- 65	ERJ6GEYJ151	M 150 OHM, J, 1/10W	6	
R6901- 06	ERJ6GEYJ221	M 220 OHM, J, 1/10W	6	
R6907,0 8	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6909	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6910	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6911	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6912	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6921- 26	ERJ6GEYJ221	M 220 OHM, J, 1/10W	6	
R6927- 30	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R6931,3 2	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R7101	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R7104	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R7107	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R7109	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7111	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7113	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7115	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7116, 17	ERJ3GEYJ221	M 220 OHM, J,1/16W	2	
R7123, 24	TAJAAH0101JV	M 100 OHM, J,1/16W	2	
R7127, 28	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7131, 32	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7133, 34	TAJAAH0101JV	M 100 OHM, J,1/16W	2	
R7138-41	TAJAAH0470JV	M 47 OHM, J,1/16W	4	
R7146-61	TAJAAH0470JV	M 47 OHM, J,1/16W	16	
R7163	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7167-70	TAJAAH0470JV	M 47 OHM, J,1/16W	4	
R7171	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7172-75	TAJAAH0470JV	M 47 OHM, J,1/16W	4	
R7176-79	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7184, 85	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7186	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R7187	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R7190, 91	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7206	TAJAAH0470JV	M 47 OHM, J,1/16W	1	
R7207, 08	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7211	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R7215	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7216, 17	TAJAAH0470JV	M 47 OHM, J,1/16W	2	
R7218, 19	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7225	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7227	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7230	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7231-34	TAJAAH0470JV	M 47 OHM, J,1/16W	4	
R7235	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R7238	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R7239, 40	TAJAAH0470JV	M 47 OHM, J,1/16W	2	
R7241	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7244	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7245-48	TAJAAH0470JV	M 47 OHM, J,1/16W	4	
R7250	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7251	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R7252, 53	TAJAAH0470JV	M 47 OHM, J,1/16W	2	
R7256	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R7257-60	TAJAAH0470JV	M 47 OHM, J,1/16W	4	
R7262	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7263, 64	TAJAAH0470JV	M 47 OHM, J,1/16W	2	
R7266	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7267	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R7269	ERJ12Y0R00	M 0 OHM, J, 1/2W	1	
R7270, 71	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7272, 73	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7274, 75	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7276, 77	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7284-97	ERJ3GEY0R00	M 0 OHM, 1/16W	14	
R7302	ERJ6GEY0R00	M 0 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7303-06	TAJAAH0470JV	M 47 OHM, J,1/16W	4	
R7311-26	TAJAAH0470JV	M 47 OHM, J,1/16W	16	
R7329	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7330-37	TAJAAH0470JV	M 47 OHM, J,1/16W	8	
R7338-41	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7346, 47	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7354, 55	TAJAAH0101JV	M 100 OHM, J,1/16W	2	
R7360, 61	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7364, 65	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7366, 67	TAJAAH0101JV	M 100 OHM, J,1/16W	2	
R7373, 74	ERJ3GEYJ221	M 220 OHM, J,1/16W	2	
R7377, 78	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7381, 82	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7383, 84	ERJ3GEYJ221	M 220 OHM, J,1/16W	2	
R7385	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R7386	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R7387	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R7390, 91	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7401	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7404	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7410-13	TAJAAH0470JV	M 47 OHM, J,1/16W	4	
R7416-39	TAJAAH0470JV	M 47 OHM, J,1/16W	24	
R7440-43	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7444	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7454	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7460, 61	TAJAAH0101JV	M 100 OHM, J,1/16W	2	
R7464, 65	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7468, 69	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7470, 71	TAJAAH0101JV	M 100 OHM, J,1/16W	2	
R7472	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R7477, 78	ERJ3GEYJ221	M 220 OHM, J,1/16W	2	
R7481, 82	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7485, 86	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	2	
R7487, 88	ERJ3GEYJ221	M 220 OHM, J,1/16W	2	
R7490	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R7491	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R7494, 95	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7496, 97	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7503	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R7504	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7506	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7514	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7517	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	
R7519	TAJAAH0470JV	M 47 OHM, J,1/16W	1	
R7520, 21	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7522	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R7526, 27	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7528, 29	TAJAAH0470JV	M 47 OHM, J,1/16W	2	
R7535	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7536-39	TAJAAH0470JV	M 47 OHM, J, 1/16W	4	
R7541	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	1	
R7544	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7545, 46	TAJAAH0470JV	M 47 OHM, J, 1/16W	2	
R7549	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R7550-55	TAJAAH0470JV	M 47 OHM, J, 1/16W	6	
R7557	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	1	
R7559	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	1	
R7560-63	TAJAAH0470JV	M 47 OHM, J, 1/16W	4	
R7564	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R7565, 66	TAJAAH0470JV	M 47 OHM, J, 1/16W	2	
R7569	ERJ12Y0R00	M 0 OHM, J, 1/2W	1	
R7574-77	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R7582	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7584	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7585, 86	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7592	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R7595	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R7604	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R7607	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R7609	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	1	
R7611	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	1	
R7613	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	1	
R7615	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	1	
R7616, 17	ERJ3GEYJ221	M 220 OHM, J, 1/16W	2	
R7618	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R7623, 24	TAJAAH0101JV	M 100 OHM, J, 1/16W	2	
R7627, 28	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	2	
R7631, 22	ERJ12YJ2R2	M 2.2 OHM, J, 1/2W	2	
R7633, 34	TAJAAH0101JV	M 100 OHM, J, 1/16W	2	
R7635-38	TAJAAH0470JV	M 47 OHM, J, 1/16W	4	
R7643	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7646-61	TAJAAH0470JV	M 47 OHM, J, 1/16W	16	
R7664-71	TAJAAH0470JV	M 47 OHM, J, 1/16W	8	
R7672-75	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7677	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7680	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7685	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7686	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R7687	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R7690, 91	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R8001-04	J0JCC0000100	CHIP INDUCTOR	4	TH-50PHD7BK/BS/E K/ES/UY
R8005-08	J0JCC0000100	CHIP INDUCTOR	4	TH-50PHD7BK/BS/E K/ES/UY
R8009-12	ERJ3GEYJ271	M 270 OHM, J, 1/16W	4	
R8013-16	ERJ3GEYJ271	M 270 OHM, J, 1/16W	4	TH-50PHD7BK/BS/E K/ES/UY
R8017, 18	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R8019, 20	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	TH-50PHD7BK/BS/E K/ES/UY
R8021	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8022	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8025	J0JCC0000100	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8026	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R8027	J0JCC0000100	CHIP INDUCTOR	1	TH-50PHD7BK/BS/E K/ES/UY
R8028	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8029	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R8030	ERJ6ENF3001	M 3KOHM, 1/10W	1	TH-50PHD7BK/BS/E K/ES/UY
R8031	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R8032	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	TH-50PHD7BK/BS/E K/ES/UY
R8033	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R8034	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8035	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R8036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R8037	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8038	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	TH-50PHD7BK/BS/E K/ES/UY
R8039	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8040	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	TH-50PHD7BK/BS/E K/ES/UY
R8041	ERJ3GEYJ183	M 18KOHM, J, 1/16W	1	
R8042	ERJ3GEYJ183	M 18KOHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8045, 46	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	2	
R8047	ERJ3GEYJ271	M 270 OHM, J, 1/16W	1	
R8048	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8049	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8050	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8051	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8054	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8055, 56	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R8057	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R8058, 59	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R8060	ERJ6ENF3300	M 330 OHM, 1/10W	1	TH-50PHD7BK/BS/E K/ES/UY
R8061	ERJ6ENF1500	M 150 OHM, 1/10W	1	TH-50PHD7BK/BS/E K/ES/UY
R8062	ERJ3GEYJ271	M 270 OHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8065	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R8066	ERJ6GEYJ681	M 680 OHM, J, 1/10W	1	TH-50PHD7BK/BS/E K/ES/UY
R8067	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R8068	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8069	ERJ6GEYJ681	M 680 OHM, J, 1/10W	1	
R8070	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8071	J0JCC0000100	CHIP INDUCTOR	1	TH-50PHD7BK/BS/E K/ES/UY
R8072	J0JCC0000100	CHIP INDUCTOR	1	
R8077	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	1	
R8078	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	1	TH-50PHD7BK/BS/E K/ES/UY
R8081	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8082	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	1	TH-50PHD7BK/BS/EK/ES/UY
R8089	ERJ3GEYJ181	M 180 OHM, J, 1/16W	1	
R8091	ERJ3GEYJ181	M 180 OHM, J, 1/16W	1	TH-50PHD7BK/BS/EK/ES/UY
R8093	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R8094	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	TH-50PHD7BK/BS/EK/ES/UY
R8097	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8098	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8099	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	TH-50PHD7BK/BS/EK/ES/UY
R8100	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8117, 18	J0JCC0000100	CHIP INDUCTOR	2	
R8124-27	ERJ6GEYJ101	M 100 OHM, J, 1/10W	4	
R8181	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R8182	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R8183, 84	J0JCC0000100	CHIP INDUCTOR	2	
R8185, 86	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	2	
R8187, 88	ERJ6GEYJ560	M 56 OHM, J, 1/10W	2	
R8200	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R8201	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R8202, 03	ERJ3GEYJ223	M 22KOHM, J, 1/16W	2	
R8204	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R8205	ERJ3GEYJ563	M 56KOHM, J, 1/16W	1	
R8206	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R8207	J0JCC0000100	CHIP INDUCTOR	1	
R8711	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8714	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8717	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8720	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8723	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8726	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8730	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8733	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8742	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8745	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8750	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8753	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8758	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8761	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8782	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8785	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8790	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8793	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8798	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8801	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8805	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8808	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8822	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8825	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8830	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8833	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8837	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8840	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8844	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8847	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8852	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8855	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8860	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8863	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8872	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8875	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8879	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8882	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8886	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8889	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8894	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8897	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9000	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9001	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9002, 03	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9005	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9006	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R9008	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9009-18	TAJAAH0101JV	M 100 OHM, J, 1/16W	10	
R9019	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R9020-23	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R9024-26	ERJ3GEYJ102	M 1KOHM, J, 1/16W	3	
R9027-30	ERJ3GEYJ473	M 47KOHM, J, 1/16W	4	
R9031, 2	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	2	
R9033	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9035-38	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R9039	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9040	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9042	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9043	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9044	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9045	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R9046, 47	TAJAAH0101JV	M 100 OHM, J, 1/16W	2	
R9048	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R9049	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9051, 52	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R9053	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9054, 55	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9056	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R9057, 58	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9059	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R9060	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9061	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9062	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R9063	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9064	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9065	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R9066	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R9067	ERJ3GEYJ682	M 6.8KOHM, J, 1/16W	1	
R9068, 71	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9072	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9073, 74	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9075	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9076	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9077	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R9079	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9081, 82	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9084	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9086	EXB38V220J	RESISTOR ARRAY	1	
R9089	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R9091, 92	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9093, 94	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9095	ERJ6ENF1101	M 1.1KOHM, 1/10W	1	
R9096	ERJ6ENF1401	M 1.4KOHM, 1/10W	1	
R9098	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9099	TAJAAH0470JV	M 47 OHM, J, 1/16W	1	
R9100	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9101	TAJAAH0470JV	M 47 OHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9102, 03	EXB2HV470JV	RESISTOR ARRAY	2	
R9105	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9106	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9108	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9109	ERJ3GEYJ682	M 6.8KOHM, J,1/16W	1	
R9110	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9111	ERJ3GEYJ473	M 47KOHM, J,1/16W	1	
R9112	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9113	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9114	ERJ3GEYJ153	M 15KOHM, J,1/16W	1	
R9115	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9116	ERJ3GEYJ331	M 330 OHM, J,1/16W	1	
R9117	ERJ3GEYJ102	M 1KOHM, J,1/16W	1	
R9118	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9119	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9120	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R9121	ERJ3GEYJ102	M 1KOHM, J,1/16W	1	
R9122	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9123	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9124	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9126	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9127	ERJ3GEYJ102	M 1KOHM, J,1/16W	1	
R9128, 29	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	2	
R9130	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9131, 32	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	2	
R9133	ERJ3GEYJ473	M 47KOHM, J,1/16W	1	
R9134, 35	ERJ3GEYJ103	M 10KOHM, J,1/16W	2	
R9136	ERJ3GEYJ331	M 330 OHM, J,1/16W	1	
R9137, 38	ERJ3GEYJ332	M 3.3KOHM, J,1/16W	2	
R9139- 43	TAJAAH0101JV	M 100 OHM, J,1/16W	5	
R9145	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9149- 51	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	3	
R9153	ERJ3GEYJ102	M 1KOHM, J,1/16W	1	
R9154	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9159	ERJ3GEYJ102	M 1KOHM, J,1/16W	1	
R9160, 61	TAJAAH0101JV	M 100 OHM, J,1/16W	2	
R9163	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R9164	ERJ3GEYJ123	M 12KOHM, J,1/16W	1	
R9165- 68	ERJ3GEYJ103	M 10KOHM, J,1/16W	4	
R9169- 72	TAJAAH0101JV	M 100 OHM, J,1/16W	4	
R9173	ERJ3GEYJ393	M 39KOHM, J,1/16W	1	
R9174	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9175- 77	TAJAAH0101JV	M 100 OHM, J,1/16W	3	
R9178	ERJ3GEYJ393	M 39KOHM, J,1/16W	1	
R9179	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9180	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R9181	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9182	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R9183	ERJ3GEYJ393	M 39KOHM, J,1/16W	1	
R9184	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9186	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9187, 8	ERJ3GEYJ103	M 10KOHM, J,1/16W	2	TH- 50PHW7BX/EX
R9189	ERJ3GEYJ393	M 39KOHM, J,1/16W	1	
R9192	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9193, 94	ERJ6ENF1001	M 1KOHM, J,1/10W	2	
R9195, 96	ERJ3GEYJ103	M 10KOHM, J,1/16W	2	
R9197	ERJ3GEYJ562	M 5.6KOHM, J,1/16W	1	
R9199	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9200	EXB2HV470JV	RESISTOR ARRAY	1	
R9201, 02	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	2	
R9204	TAJAAH0101JV	M 100 OHM, J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9205	EXB2HV470JV	RESISTOR ARRAY	1	
R9206- 08	TAJAAH0101JV	M 100 OHM, J,1/16W	3	
R9209	ERJ6GEYJ0R00	M 0 OHM, J,1/10W	1	
R9210	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R9211	ERJ3GEYJ100	M 10 OHM, J,1/16W	1	
R9212	EXB2HV470JV	RESISTOR ARRAY	1	
R9213	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9215	ERJ3GEYJ560	M 56 OHM, J,1/16W	1	
R9216	ERJ6GEYJ0R00	M 0 OHM, J,1/10W	1	
R9218, 19	ERJ3GEYJ0R00	M 0 OHM, J,1/10W	2	TH- 50PHD7BK/BS/E K/ES/UY
R9220- 22	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	3	TH- 50PHD7BK/BS/E K/ES/UY
R9223- 25	ERJ3GEYJ750	M 75 OHM, J,1/16W	3	TH- 50PHD7BK/BS/E K/ES/UY
R9228, 29	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	2	TH- 50PHD7BK/BS/E K/ES/UY
R9230	ERJ3EKF6801	M 6.8KOHM, J,1/16W	1	TH- 50PHD7BK/BS/E K/ES/UY
R9231- 33	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	3	TH- 50PHD7BK/BS/E K/ES/UY
R9235	ERJ3GEYJ272	M 2.7KOHM, J,1/16W	1	TH- 50PHD7BK/BS/E K/ES/UY
R9236	ERJ6GEYJ0R00	M 0 OHM, J,1/10W	1	TH- 50PHD7BK/BS/E K/ES/UY
R9237	ERJ3GEYJ473	M 47KOHM, J,1/16W	1	
R9240, 41	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	2	
R9243- 45	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	3	
R9246- 60	TAJAAH0101JV	M 100 OHM, J,1/16W	15	
R9261- 65	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	5	
R9266	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9267- 69	ERJ6GEYJ0R00	M 0 OHM, J,1/10W	3	
R9270	ERJ6ENF2322	M 23.2KOHM, J,1/10W	1	
R9271	ERJ6ENF1002	M 10KOHM, J,1/10W	1	
R9272	ERJ6ENF5101	M 5.1KOHM, J,1/10W	1	
R9273	ERJ6ENF1002	M 10KOHM, J,1/10W	1	
R9274, 75	ERJ6GEYJ0R00	M 0 OHM, J,1/10W	2	
R9276	ERJ3GEYJ333	M 33KOHM, J,1/16W	1	
R9277	ERJ3GEYJ823	M 82KOHM, J,1/16W	1	
R9278	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9279	ERJ3GEYJ683	M 68KOHM, J,1/16W	1	
R9281	ERJ6ENF5101	M 5.1KOHM, J,1/10W	1	
R9282	ERJ6ENF1002	M 10KOHM, J,1/10W	1	
R9283, 84	ERJ3GEYJ683	M 68KOHM, J,1/16W	2	
R9287	ERJ6GEYJ0R00	M 0 OHM, J,1/10W	1	
R9290- 92	ERJ6ENF1001	M 1KOHM, J,1/10W	3	
R9293	ERJ6ENF1601	M 1.6KOHM, J,1/10W	1	
R9295	TAJAAH0470JV	M 47 OHM, J,1/16W	1	
R9296	ERJ6GEYJ0R00	M 0 OHM, J,1/10W	1	
R9299	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	1	
R9300	EXB38V470J	RESISTOR ARRAY	1	
R9301	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9303	ERJ3GEYJ103	M 10KOHM, J,1/16W	1	
R9305- 07	ERJ3GEYJ0R00	M 0 OHM, J,1/16W	3	
R9308, 90	TAJAAH0470JV	M 47 OHM, J,1/16W	2	
R9311	EXB38V470J	RESISTOR ARRAY	1	
R9314	TAJAAH0101JV	M 100 OHM, J,1/16W	1	
R9315- 18	TAJAAH0470JV	M 47 OHM, J,1/16W	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9321-24	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9328,29	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9331	EXB2HV101J	RESISTOR ARRAY	1	
R9332	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9333	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9334	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9335	EXB2HV101J	RESISTOR ARRAY	1	
R9336	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9337	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9338-43	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R9344,45	EXB2HV101J	RESISTOR ARRAY	2	
R9346,47	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9348	EXB2HV101J	RESISTOR ARRAY	1	
R9349,50	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9351	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9353,54	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9355	EXB2HV101J	RESISTOR ARRAY	1	
R9356	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9357-59	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R9360	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9361	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9362	EXB2HV101J	RESISTOR ARRAY	1	
R9363	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9365	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9366,67	EXB2HV101J	RESISTOR ARRAY	2	
R9368	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9369	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9371	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9372	EXB2HV101J	RESISTOR ARRAY	1	
R9374	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9375	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9376	EXB2HV101J	RESISTOR ARRAY	1	
R9377	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9380,81	EXB2HV101J	RESISTOR ARRAY	2	
R9382	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9384,85	EXB2HV101J	RESISTOR ARRAY	2	
R9386,87	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9388	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9389	EXB2HV101J	RESISTOR ARRAY	1	
R9390,91	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9393	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9395	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9397	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9399	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9401	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9403	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9405	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9407	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9409	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9411	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9413	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9415	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9417	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9419	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9421	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9423	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9425	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9427	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9429	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9431	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9433	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9435	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9439,40	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9441	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9443	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9445	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9447	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9449	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9451	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9453	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9455	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9457	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9459	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9461	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9463	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9465	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9467	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9469	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9471	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9473	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9475	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9477	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9479	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9481	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9483	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9485	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9487	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9489	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9491	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9493	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9495	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9497	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9499	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9501	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9503	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9505	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9506-09	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9510,11	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9512	EXB38V470J	RESISTOR ARRAY	1	
R9513	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9515	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9516	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9517	EXB38V470J	RESISTOR ARRAY	1	
R9521-26	EXB2HV470JV	RESISTOR ARRAY	6	
R9527	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9530	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9532	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9534	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9535-41	TAJAAH0470JV	M 47 OHM,J,1/16W	7	
R9542	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9543,44	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9548	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9550	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9552,53	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9555-58	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9559,60	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9561	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9562-64	EXB38V470J	RESISTOR ARRAY	3	
R9567,68	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9569	EXB38V470J	RESISTOR ARRAY	1	
R9570,71	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9574-77	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9578,79	EXB38V470J	RESISTOR ARRAY	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9583-85	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9586	EXB38V470J	RESISTOR ARRAY	1	
R9587	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9589	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9590	EXB38V470J	RESISTOR ARRAY	1	
R9595	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9596	EXB38V470J	RESISTOR ARRAY	1	
R9597-02	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R9605	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9607	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9609	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9611	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9613	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9615	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9617	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9619	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9621	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9623	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9625	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9627	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9629	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9631	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9633	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9635	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9637	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9639	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9641	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9643	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9645	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9647	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9648	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9649	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9650	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9651	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9652	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9653	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9655	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9657	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9659	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9661	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9663	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9665	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9667	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9669	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9671	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9673	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9675	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9677	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9679	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9681	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9683	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9685	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9687	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9689	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9691	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9693	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9695	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9697	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9699	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9701	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9703	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9705	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9707	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9709	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9711	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9713	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9715	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9717	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9718-21	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9722	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9723	EXB38V103J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9724	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9725, 26	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-50PHD7BK/BS/EK/ES/UY
R9727, 28	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9729	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9731	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9732, 33	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-50PHW7BX/EX
R9736	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9739-42	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9743-45	ERJ3GEY0R00	M 0 OHM, 1/16W	3	TH-50PHD7BK/BS/EK/ES/UY
R9747, 48	EXB38V103J	RESISTOR ARRAY	2	
R9749-51	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9753	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9754	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R9755	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9756	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9757	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9758	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9761	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9762	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	
R9764	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9765	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9766	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9767-70	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9771	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R9774	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R9775	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9776	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9777	ERJ3GEYJ121	M 120 OHM, J, 1/16W	1	
R9778	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9779	EXB38V103J	RESISTOR ARRAY	1	
R9780, 81	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9783	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9784, 85	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9786	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9787-95	ERJ3GEY0R00	M 0 OHM, 1/16W	9	
R9798	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9799	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	
R9800	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9803	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9804	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9805-07	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9808	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9809-13	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R9816	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9828, 9	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	
R9833-35	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9844-48	EXB38V103J	RESISTOR ARRAY	5	
R9849	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9850	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9851	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9852	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9853	EXB38V103J	RESISTOR ARRAY	1	
R9854	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9860-61	TAJAAH0101JV	M 100 OHM, J, 1/16W	2	TH-50PHD7BK/BS/EK/ES/UY
R9862-65	TAJAAH0101JV	M 100 OHM, J, 1/16W	4	
R9866	EXB2HV470JV	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9867, 68	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9870	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9871	EXB2HV470JV	RESISTOR ARRAY	1	
R9872-74	TAJAAH0101JV	M 100 OHM, J, 1/16W	3	
R9876	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9877	EXB2HV470JV	RESISTOR ARRAY	1	
R9878	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9880	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R9884	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R9886	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9888	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9892	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9893	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9894	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9897	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R9898	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9899	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9900	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9901	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9903	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9906, 07	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9911-13	ERJ3GEYJ750	M 75 OHM, J, 1/16W	3	
R9916, 17	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9918	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R9919-21	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9922	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R9924	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9930	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-50PHW7BX/EX
R9932-34	EXB2HVR000	RESISTOR ARRAY	3	TH-50PHW7BX/EX
R9936	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9942	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-50PHD7BK/BS/EK/ES/UY
R9951	ERJ6ENF1101	M 1.1KOHM, 1/10W	1	
R9952	ERJ6ENF1401	M 1.4KOHM, 1/10W	1	
R9953-56	ERJ6ENF1001	M 1KOHM, 1/10W	4	
R9979, 80	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	2	
R9985, 86	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
RL920	K6B1ADA00009	REALY	1	▲
RM001	PNA4601M05TV	REMOCO RECEIVER	1	
RTL	TNPA3003	CIRCUIT BOARD H3	2	▲
RTL	TNPA3197	CIRCUIT BOARD J	1	TH-50PHD7BK/BS/EK/ES/UY ▲
RTL	TNPA3197AB	CIRCUIT BOARD J	1	TH-50PHW7BX/EX ▲
RTL	TZTNP01VDSU	CIRCUIT BOARD HX	1	▲
RTL	TXNHA10RBS	CIRCUIT BOARD HA	1	▲
RTL	TXNHB10QXS	CIRCUIT BOARD HB	1	▲
RTL	TNPA3198	CIRCUIT BOARD Z	1	▲
RTL	TXNPF10VDS	CIRCUIT BOARD PF	1	▲
RTL	TNPA3236AB	CIRCUIT BOARD P	1	▲
RTL	TNPA3221	CIRCUIT BOARD C1	1	▲
RTL	TNPA3222	CIRCUIT BOARD C2	1	▲
RTL	TNPA3223	CIRCUIT BOARD C3	1	▲
RTL	TNPA3224	CIRCUIT BOARD C4	1	▲
RTL	TNPA3225	CIRCUIT BOARD C5	1	▲
RTL	TNPA3226	CIRCUIT BOARD C6	1	▲
RTL	TZTNP020VDS	CIRCUIT BOARD D	1	TH-50PHD7BK/BS/EK/ES/UY ▲

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RTL	TZTNP01VNSU	CIRCUIT BOARD D	1	TH-50PHW7BX/EX ▲
RTL	TXNSC10UPS	CIRCUIT BOARD SC	1	▲
RTL	TXNSD10UPS	CIRCUIT BOARD SD	1	▲
RTL	TXNSS10UPS	CIRCUIT BOARD SS	1	▲
RTL	TNPA3217	CIRCUIT BOARD SS2	1	▲
RTL	TNPA3218	CIRCUIT BOARD SS3	1	▲
RTL	TXNSU10UPS	CIRCUIT BOARD SU	1	▲
RTL	TNPA3200	CIRCUIT BOARD S1	1	▲
RTL	TNPA3199	CIRCUIT BOARD V1	1	▲
S34	K1KA03A00213	3P CONNECTOR	1	
S061	K0F162B00002	SWITCH	1	
S901	JOLT0000009	SWITCH	1	▲
S1550-54	EVQPBD05R	SWITCH	5	
SC2	K1KA06A00180	6P CONNECTOR	1	
SC12	K1KA06A00220	6P CONNECTOR	1	
SC13	TJS1A8840	8P CONNECTOR	1	
SC20	K1KA20A00272	20P CONNECTOR	1	
SC23	K1KA03A00213	3P CONNECTOR	1	
SC41, 42	K1ML80BA0001	80P CONNECTOR	2	
SC45, 46	K1KA10A00194	10P CONNECTOR	2	
SC62	K1KA06A00220	6P CONNECTOR	1	
SD1-D4	K1MN96B00001	CONNECTOR	4	
SD46	K1KA10B00209	10P CONNECTOR	1	
SS11	K1KA07A00096	7P CONNECTOR	1	
SS12	K1KA10A00259	10P CONNECTOR	1	
SS21	K1KB07A00037	7P CONNECTOR	1	
SS31	K1KB07A00037	7P CONNECTOR	1	
SS32	K1KA20AA0009	20P CONNECTOR	1	
SS34	K1KA03A00213	3P CONNECTOR	1	
SS35	TJS1A8840	8P CONNECTOR	1	
SS41	K1MN13B00020	13P CONNECTOR	1	
SS42	TJS1A8840	8P CONNECTOR	1	
SS48	K1MN13B00020	13P CONNECTOR	1	
SS51-56	K1MN13B00020	13P CONNECTOR	6	
SS57, 58	K1KA07A00170	7P CONNECTOR	2	
SU1-U4	K1MN96B00001	CONNECTOR	4	
SU45	K1KA10B00209	10P CONNECTOR	1	
T920	ETS28AZ1K6AD	SWITCHING TRANS	1	▲
T6431	ETS13TB139AP	SWITCHING TRANS	1	
T6451	G4D1A0000072	SWITCHING TRANS	1	
T6471	G4D1A0000072	SWITCHING TRANS	1	
V34	K1KA08B00005	8P CONNECTOR	1	
VR6070	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6477	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
VR6557	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
X3101	H0J202500002	CRYSTAL	1	
X8181	H0J327200038	CRYSTAL	1	
X9001	H0J400400017	CRYSTAL	1	
X9500	H0J200500038	CRYSTAL	1	
Z5	K1KA11A00102	11P CONNECTOR	1	
Z6	K1KA04A00195	4P CONNECTOR	1	
Z7	K1KA03A00172	3P CONNECTOR	1	
Z8	K1KA20AA0008	20P CONNECTOR	1	
Z10	K1KA05A00177	5P CONNECTOR	1	
Z30-33	K1KA03A00172	3P CONNECTOR	4	
ZA001-03	K4ZZ01000121	EARTH LUG	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZA11	K4CD01000013	TERMINAL	1	
ZA21	K4CD01000013	TERMINAL	1	
ZA31	K4CD01000013	TERMINAL	1	
ZA41	K4CD01000013	TERMINAL	1	
ZA51	K4CD01000013	TERMINAL	1	
ZA61	K4CD01000013	TERMINAL	1	
ZA901	K4ZZ01000121	EARTH LUG	1	
ZA3001-07	K4CD01000013	TERMINAL	7	
ZA6001-03	K4CD01000013	TERMINAL	3	
ZA6401-03	K4CD01000013	TERMINAL	3	
C401	F0CAF105A021	C 1UF, 250V	1	
C402	ECJ2XC1H101J	C 100PF, J, 50V	1	
C403	ECKCNA222MEB	C 2200PF, M	1	
C404	F0CAF105A021	C 1UF, 250V	1	
C407	EEUEB2W220B	E 22UF, 450V	1	
C408	ECA1HM470	E 47UF, 50V	1	
C409	F0CAF105A021	C 1UF, 250V	1	
C410	ECA1HM470	E 47UF, 50V	1	
C411	ECA1HM100	E 10UF, 50V	1	
C412	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C416	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C417	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C418	F1J1C1050011	C 1UF, Z, 50V	1	
C419	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C421,22	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C424	ECJ2XC1H101J	C 100PF, J, 50V	1	
C425	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1A1050002	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429,30	F1K2J1530002	C 0.15PF, J, 630V	2	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432	F1J1C1050011	C 1UF, Z, 50V	1	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	ECA1HM100	E 10UF, 50V	1	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	
C445	F1J1C1050011	C 1UF, Z, 50V	1	
C446	F2B2W4710005	C 470UF, 450V	1	
C448	F2B2W4710005	C 470UF, 450V	1	
C449,50	F1A3A102A040	C 1000PF, J, 1KV	2	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C455	F1A3A221A040	E 220UF, 1KV	1	
C457	ECWH8203RHV	P 0.020PF, J, 8KV	1	
C458	ECWH12223RHV	P 0.022UF, J, 1.2KV	1	
C459	F1K2J1530002	C 0.15PF, J, 630V	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C465	ECKCNA221KB7	C 220PF, M,	1	
C468	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C471	F1J1C1050011	C 1UF, Z, 50V	1	
C480	ECJ3YB1E105K	C 1UF, K, 25V	1	
C481	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C482	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C501,02	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C503	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C504	F1J1C1050011	C 1UF, Z, 50V	1	
C505	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C506-08	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C509	ECA1EM101	E 100UF, 25V	1	
C511	F1J1C1050011	C 1UF, Z, 50V	1	
C513,14	ECJ2XC1H471J	C 470PF, J, 50V	2	
C515	EEUFC1A222	E 2200UF, 10V	1	
C516	F1J1A1050002	C 1UF, Z, 50V	1	
C517	ECA1EM221	E 220UF, 25V	1	
C519	F1J1A1050002	C 1UF, Z, 50V	1	
C523	ECA1EM470	E 47UF, 25V	1	
C525	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C526	ECJ2XB1H104K	C 0.1UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C527	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C528	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C529	ECA1HM100	E 10UF, 50V	1	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C531,32	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C534	ECJ2XC1H681J	C 680PF, J, 50V	1	
C535	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C536	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C537	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C538	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C539	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C540	ECJ2VC1H821J	C 820PF, J, 50V	1	
C541	F1J1C1050011	C 1UF, Z, 50V	1	
C544	F1J1C1050011	C 1UF, Z, 50V	1	
C546	ECA1HM100	E 10UF, 50V	1	
C547	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C550	EEUFC1E152	E 1500UF, 25V	1	
C552	F1J1C1050011	C 1UF, Z, 50V	1	
C553,54	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C556	F2A1C1520009	E 1500UF, 16V	1	
C558	F2B2D2220003	E 2200UF, @ 200V	1	
C560	ECA2AHG102	E 1000UF, 100V	1	
C561	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C562	F2B2D2220003	E 2200UF, @ 200V	1	
C576	ECA1EM470	E 47UF, 25V	1	
C577	ECA2AM330	E 33UF, 100V	1	
C579	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C585,86	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C587	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C599	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C600,01	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C602	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C603,04	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C605	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C606	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C607	F1J1C1050011	C 1UF, Z, 50V	1	
C608,09	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C610	F1J1C1050011	C 1UF, Z, 50V	1	
C611	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C623-25	ECA1HM100	E 10UF, 50V	3	
C626	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
D401	B0FBCT000004	DIODE	1	
D402	MA4082M	ZENER DIODE	1	
D404	B0EBKT000007	DIODE	1	
D405	MA165	DIODE	1	
D409	B0HAMM000122	DIODE	1	
D410	MA188	DIODE	1	
D411	B0BB17000008	DIODE	1	
D412,13	MA165	DIODE	2	
D415	B0JAME000081	DIODE	1	
D418	MA4082M	ZENER DIODE	1	
D419,20	B0HBSR000005	DIODE	2	
D423-26	B0JAME000081	DIODE	4	
D427-29	ERA15-10	DIODE	3	
D431	B0JCDD000002	DIODE	1	
D433	MA4051NM	ZENER DIODE	1	
D434	MA4082M	ZENER DIODE	1	
D435	ERA15-10	DIODE	1	
D436	B0HAMP000067	DIODE	1	
D438	ERA15-10	DIODE	1	
D503,04	MA165	DIODE	2	
D505,06	B0JAME000081	DIODE	2	
D509	B0HANM000028	DIODE	1	
D510	B0HAMM000072	DIODE	1	
D510	B0HANM000028	DIODE	1	
D511	AK06	DIODE	1	
D521	MA188	DIODE	1	
D528,29	MA153	DIODE	2	
D530	MA4100M	ZENER DIODE	1	
D531	B0HDRP000002	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D532	MA3J142D0L	DIODE	1	
D534	MA752A	DIODE	1	
D535	MA188	DIODE	1	
D536	MA752A	DIODE	1	
D537	B0HBRP000007	DIODE	1	
D538	MA4051NM	ZENER DIODE	1	
D539	B0HBRP000007	DIODE	1	
D543-45	MA4200H	ZENER DIODE	3	
D547	MA4150M	ZENER DIODE	1	
D548	MA4075M	ZENER DIODE	1	
D549	MA188	DIODE	1	
D551	MA4075M	ZENER DIODE	1	
D554	ERA15-01V5	DIODE	1	
D555	MA4075M	ZENER DIODE	1	
D557	MA111	DIODE	1	
D559	MA4075M	ZENER DIODE	1	
D561	MA4075M	ZENER DIODE	1	
D563,64	MA111	DIODE	2	
D572	MA188	DIODE	1	
F405	P130A	FUSE	1	
IC401	CNC1S171R	IC	1	
IC402	C0BBA000038	IC	1	
IC403,04	CNC1S171R	IC	2	
IC405	C0CBADE00037	IC	1	
IC406	C0DAZZZ00021	IC	1	
IC408	CNC1S171R	IC	1	
IC409	MIP2C20MPASAG	IC	1	
IC410	C0CBADE00037	IC	1	
IC411	C0BBAA000038	IC	1	
IC501	C2ABFD000148	IC	1	
IC502	C0EBE0000154	IC	1	
IC503	C0ZBZ0000383	IC	1	
IC504	C0DAEMB00003	IC	1	
IC507	C0CBAE00041	IC	1	
IC512	C0DAEMB00003	IC	1	
IC520	C0JBAZ002056	IC	1	
IC521	C0JBAF000540	IC	1	
IC522	C0JBAZ002056	IC	1	
IC523	C0JBAF000540	IC	1	
IC524,25	C0BBAA000039	IC	2	
L402	EXCELSA24	BEAD CHOKE	1	
L403	EXCELSA35	BEAD CHOKE	1	
L505	EXCELDR35C	BEAD CHOKE	1	
L506,07	EXCELDR25C	BEAD CHOKE	2	
P2	K1KA06A00180	6P CONNECTOR	1	
P5	K1KA11A00073	11P CONNECTOR	1	
P7	K1KA04A00242	4P CONNECTOR	1	
P9	K1KA03A00181	3P CONNECTOR	1	
P10	K1KA05A00177	5P CONNECTOR	1	
P11	K1KA07A00096	7P CONNECTOR	1	
P12	K1KA10A00259	10P CONNECTOR	1	
P23	K1KA03A00213	3P CONNECTOR	1	
P25	TJS1A8840	8P CONNECTOR	1	
P27	K1KA09A00099	9P CONNECTOR	1	
PR401	K5Y502B00007	FUSE	1	
PR402	K5G162B00008	FUSE	1	
PR509,10	K5H501Z00005	FUSE	2	
Q401	B1DHBD000004	TRANSISTOR	1	
Q404	2SB1386RT100	TRANSISTOR	1	
Q406	B1DELQ00003	TRANSISTOR	1	
Q407	XN4601TX	TRANSISTOR	1	
Q408	B1CBGD000001	TRANSISTOR	1	
Q412,13	B1DEDQ000020	TRANSISTOR	2	
Q414,15	B1DAGQ000012	TRANSISTOR	2	
Q417	B1CBGD000001	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q418	UN5213	TRANSISTOR	1	
Q420,21	2SD1819A	TRANSISTOR	2	
Q422	UN5213	TRANSISTOR	1	
Q501,02	2SD1820A	TRANSISTOR	2	
Q503	UN5211	TRANSISTOR	1	
Q504	2SK3065T100	FET	1	
Q506	XN0440100L	TRANSISTOR	1	
Q508	B1GBCFNA0010	TRANSISTOR	1	
Q509	XN0440100L	TRANSISTOR	1	
Q510	2SB1218ARL	TRANSISTOR	1	
Q511	B1CBGD000001	TRANSISTOR	1	
Q512	B1DHBD000004	TRANSISTOR	1	
Q513	B1CBGD000001	TRANSISTOR	1	
Q514	B1MBACA00006	TRANSISTOR	1	
Q515	2SK3065T100	FET	1	
Q516	B1DHBD000004	TRANSISTOR	1	
Q518	B1MBACA00006	TRANSISTOR	1	
Q519	2SK3065T100	FET	1	
Q520	B1HFCA00021	TRANSISTOR	1	
Q521	2SD1819A	TRANSISTOR	1	
Q522	UN5211	TRANSISTOR	1	
Q524	2SD1819A	TRANSISTOR	1	
Q525	XN4601TX	TRANSISTOR	1	
Q527	B1DEHL000018	TRANSISTOR	1	
Q528	2SD1819A	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q536	B1CFQD000001	TRANSISTOR	1	
Q537	B1CHND000004	TRANSISTOR	1	
Q538	B1CFQD000001	TRANSISTOR	1	
Q540	B1DHBD000004	TRANSISTOR	1	
Q541	B1CBGD000001	TRANSISTOR	1	
Q542	XN4601TX	TRANSISTOR	1	
Q544	UN5211	TRANSISTOR	1	
Q545	2SK3065T100	FET	1	
Q547	2SD1119	TRANSISTOR	1	
Q550,51	UNR521L00L	TRANSISTOR	2	
Q552	UN5213	TRANSISTOR	1	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHBD000004	TRANSISTOR	1	
Q555	UN5211	TRANSISTOR	1	
R404	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R408	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R409	ERJ6ENF1693	M 169KOHM, 1/10W	1	
R410	ERF10TJ200	W 20 OHM, 10W	1	
R411	D1FZ100E0003	F 10 OHM	1	
R412	ERF10TJ200	W 20 OHM, 10W	1	
R413	D1FZ100E0003	F 10 OHM	1	
R414	ERJ8GEYJ153	M 15KOHM, J, 1/8W	1	
R415	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R416	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R418	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R419	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R420	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R422	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R423	ERJ8GEYJ1R0	M 1 OHM, J, 1/8W	1	
R424	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R425	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R427	ERJ8GEYJ1R0	M 1 OHM, J, 1/8W	1	
R428	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R429	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R432	ERJ6GEYJ274	M 270KOHM, J, 1/10W	1	
R433	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R434	ERJ8GEYJ2R2	M 2.2 OHM, J, 1/8W	1	
R435	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R436	ERJ8GEYJ153	M 15KOHM, J, 1/8W	1	
R437	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R439	ERJ14YJ120	M 12 OHM, J, 1/4W	1	
R440	ERJ8GEYJ474	M 470KOHM, J, 1/8W	1	
R441, 42	ERJ6EKF6803	M 680KOHM, 1/10W	2	
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM, J, 1/10W	1	
R445-47	ERJ6ENF1004	M1000KOHM, 1/10W	3	
R448-50	D0XGR10JA007	RESISTOR ARRAY	3	
R451	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R453	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R456	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R458	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R467	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R471	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R472, 73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476, 77	ERJ8GEYJ2R2	M 2.2 OHM, J, 1/8W	2	
R478	ERJ8GEYJ102	M 1KOHM, J, 1/8W	1	
R479	ERJ6GEYJ154	M 150KOHM, J, 1/10W	1	
R480	ERJ6ENF9102	M91.0KOHM, 1/10W	1	
R481	ERJ14YJ221	M 220 OHM, J, 1/4W	1	
R482	ERJ8GEYJ102	M 1KOHM, J, 1/8W	1	
R483	ERJ14YJ221	M 220 OHM, J, 1/4W	1	
R484, 85	ERJ8GEYJ2R2	M 2.2 OHM, J, 1/8W	2	
R486	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R487	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R493	ERJ14YJ120	M 12 OHM, J, 1/4W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R498	ERJ6GEYJ334	M 330KOHM, J, 1/10W	1	
R501	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R502, 03	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R504	ERDS2TJ102	C 1KOHM, J, 1/4W	1	
R505	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R506	ERDS2TJ102	C 1KOHM, J, 1/4W	1	
R507	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R509	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R510	ERJ6GEYJ4R7	M 4.7 OHM, J, 1/10W	1	
R511	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R512	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R513, 14	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R515	ERDS2TJ102	C 1KOHM, J, 1/4W	1	
R516	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R517	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R518	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R519, 20	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R521, 22	ERJ8GEYJ100	M 10 OHM, J, 1/8W	2	
R524	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R528	ERJ6GEYJ4R7	M 4.7 OHM, J, 1/10W	1	
R529	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R530	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R532	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R535	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R537	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R538	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R540	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R541-44	ERJ8GEYJ1R0	M 1 OHM, J, 1/8W	4	
R545	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R546	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R547-49	ERJ8GEYJ1R0	M 1 OHM, J, 1/8W	3	
R550	ERJ8GEYJ202	M 2KOHM, J, 1/8W	1	
R551	ERJ8GEYJ471	M 470 OHM, J, 1/8W	1	
R552	ERJ8GEYJ202	M 2KOHM, J, 1/8W	1	
R553	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R554	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R555, 56	ERJ8GEYJ202	M 2KOHM, J, 1/8W	2	
R557	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R558	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R559	ERJ8GEYJ471	M 470 OHM, J, 1/8W	1	
R560	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R561	ERJ6ENF4301	M 4.3KOHM, 1/10W	1	
R562	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R563	ERJ6GEYJ4R7	M 4.7 OHM, J, 1/10W	1	
R564	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R565	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R566	ERJ6GEYJ331	M 330 OHM, J, 1/10W	1	
R567	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R570	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R571	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R574	ERJ6GEYJ331	M 330 OHM, J, 1/10W	1	
R575	ERJ6GEYJ4R7	M 4.7 OHM, J, 1/10W	1	
R576	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R577	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R578	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R579	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R581	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R582	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R583	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R584	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R585	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R586	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R587	ERJ8GEYJ471	M 470 OHM, J, 1/8W	1	
R588	ERJ6ENF4420	M 442 OHM, 1/10W	1	
R589	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R590	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R593	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R594	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R595	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R596	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R597	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R599	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R600	ERJ8ENF3900	M 390 OHM, 1/8W	1	
R601	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R602, 03	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R604	ERJ6GEYJ391	M 390 OHM, J, 1/10W	1	
R605, 06	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	2	
R608	D3CA61020010	M1.0 KOHM, J, 0.5W	1	
R609	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	1	
R610	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R611	ERJ8GEYJ471	M 470 OHM, J, 1/8W	1	
R612	ERDS2TJ102	C 1KOHM, J, 1/4W	1	
R613	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R614	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R615	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R616	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R617	ERDS2TJ103	C 10KOHM, J, 1/4W	1	
R618	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R621-23	ERJ8GEYJ1R0	M 1 OHM, J, 1/8W	3	
R624	ERX1SJR22	M0.22 OHM, J, 1W	1	
R631	ERJ8GEYJ123	M 12KOHM, J, 1/8W	1	
R632	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R636-39	ERJ8ENF3902	M 39K OHM, 1/8W	4	
R640	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R641	EVMAASA00B33	CONTROL 3KOHMB	1	
R642-45	ERJ8ENF3902	M 39K OHM, 1/8W	4	
R646	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R647, 48	ERJ8GEYJ202	M 2KOHM, J, 1/8W	2	
R649	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R650	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R652	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R653, 54	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	2	
R656, 57	ERJ8GEYJ202	M 2KOHM, J, 1/8W	2	
R658	ERJ6ENF6201	M 6.2KOHM, 1/10W	1	
R659	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R660	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R661	EVMAASA00B53	CONTROL 5KOHMB	1	
R662	ERJ6ENF1503	M 150KOHM, 1/10W	1	
R663	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R664	ERJ6ENF9531	M9.53KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R665	EVMAASA00B23	CONTROL 2KOHMB	1	
R666	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R667	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R668	ERJ8GEYJ123	M 12KOHM, J,1/8W	1	
R669	ERJ6ENF1503	M 150KOHM, 1/10W	1	
R670,71	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	
R672	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R673	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R674,75	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R676	ERJ8GEYJ123	M 12KOHM, J,1/8W	1	
R677	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R678	ERDS2TJ223	C 22KOHM, J,1/4W	1	
R682,83	ERJ3GEYJ2R2	M 2.2 OHM, J,1/16W	2	
R684	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R685	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R687	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R688	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R691-93	ERJ8GEYJ224	M 220KOHM, J,1/8W	3	
R694	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R695-97	ERJ8GEYJ224	M 220KOHM, J,1/8W	3	
R698	ERJ6GEYJ4R7	M 4.7 OHM, J,1/10W	1	
R699	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
RL402	K6B1AGA00177	REALY	1	
RL403	K6B1AGA00086	RELAY	1	
T401	G4D4A0000072	SWITCHING TRANSFORMER	1	
T402,03	G4D1A0000082	SWITCHING TRANS	2	
T404	ETS28LZ126AD	SWITCHING TRANS	1	
T405	ETS42LZ136AD	SWITCHING TRANS	1	
T406	G4D4A0000072	SWITCHING TRANSFORMER	1	
T407	ETQ11K5AZ	CHOKE TRANS	1	
T410	ETS25AD1M6AG	SWITCHING TRANS	1	
X501	H2B400400021	CRYSTAL	1	
Z1	K4ZZ01000121	EARTH LUG	1	
ZN401	D4EAD6210001	VARISTOR	1	